



**CHARUSAT
CSPIT**

*Smt. K.D. Patel Department of Information Technology
A.Y. 2023-24*



A Report on “DATA DIALOGUES: PAVING THE WAY TO A THRIVING CAREER”

**Charotar University of Science and Technology
(CHARUSAT)**

Chandubhai S. Patel Institute of Technology

Smt. K. D. Patel Department of Information Technology

Data Science Club

9TH SEPTEMBER 2023 (SATURDAY)

10:00 AM – 11:30 AM



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A.Y. 2023-24



Event Poster



**DATA SCIENCE CLUB @CHARUSAT**

Presents
DATA DIALOGUES
Paving the Way to a Thriving Career



**ZEEL
AMRUTIYA**
Solution Analyst
Software Developer,
DELOITTE US



AYUSH GHADIYA
AI Research
Consultant, SONY



**MEGHA
GHORIYA**
AI Engineer, IBM



**MAHARSHI
RELIA**
Intern, Cloud and
Network Services,
NOKIA

HOSTS


Rinkal May
LEAD DSC



Malav
Champaneria
Ex - LEAD DSC

REGISTER


[https://forms.gle/
uq41dqMEqt7yC9HD7](https://forms.gle/uq41dqMEqt7yC9HD7)

DETAILS
DATE: 9 SEPTEMBER '23
TIME: 10:00AM - 11:30AM
MODE: ONLINE

FACULTY COORDINATORS: PROF. HEMANT YADAV, PROF. JALPESH VASA

 datascienceclub.charusat.ac.in  data-science-club-charusat-038449233
 dasciclub@charusat.ac.in  datascienceclub.charusat



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Event Invitation/Announcement

Announcement of event: "Data Dialogues: Paving the way to a Thriving Career" on 09/09/2023.

Data Science Club <dasciclub@charusat.ac.in> Tue, Sep 5, 6:25 PM (12 days ago)

to 21it, 21ce, 21cse, 22it, 22ce, 22cse, 20it, 20ce, 20cse, Head, Head, Head, HOD, Head, Head, Head, Principal, Principal, Hemant, Jalpesh

Greetings everyone.


The Data Science Club is excited to announce and welcome you all to an enthralling event "**Data Dialogues: Paving the Way to a Thriving Career**" on **9th September**, Saturday from **10:00 AM to 11:30 AM**, in **online** mode. The engaging panel discussion will feature four industry experts, addressing topics ranging from data science and industrial insights to off-campus placement strategies. Hence, gear up your seat belts, paving your confidence and knowledge through the event! Kindly register yourselves from the link provided below. Other details in the poster attached below.

Event Registration link: <https://forms.gle/uq41dgMEq7yC9HD7> (last date to fill form is 7th September, till 11.59 PM.)

Event link: Will be sent prior to the event.

Regards,
Data Science Club.

One attachment • Scanned by Gmail

 DataDialogues.pdf



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About The Event

Data Science Club at Smt. K. D. Patel Department of Information Technology, CSPIT, FTE, CHARUSAT organized an Expert- Session “Data Dialogues : Paving your way through a thriving career” on 10th September 2023 from 10am to 11:30am. The invited experts were:

- 1) Ayush Ghadiya: AI Research Consultant at Sony Research India
- 2) Maharshi Relia :Intern, Cloud & Network Services at Nokia Solutions & Networks Pvt. Ltd., Bengaluru (Internship + Full Time starting from November 2023)
- 3) Megha Goriya: Incoming AI Engineer at IBM
- 4) Zeel Amrutiya : Solution Analyst Software Developer at Deloitte United States of America

It was organized at university level and students from various departments students took keen interest in it Former and the present lead of the club started with the introduction and lead the event ahead. Followed by the one on one session of the participants with the experts on their experiences and varying trajectories. Lastly ending the interactive session with bundles of knowledge and thrive with a vote of thanks by the Lead of the Club!

Event Contents:

- Brief about the Data Science
- Scope of the various roles in Data Science
- Different skills to acquire to fit for the role of data scientist
- Job opportunities in the field of Data Science
- Various tools and technologies available in handling data science projects
- Different domain where data science can apply

Event Outcome:

1. Knowledge Sharing
2. Networking
3. Career Opportunities
4. Skill Development
5. Inspirations
6. Projects and Ideas
7. Community Building
8. Feedback and Improvement



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Judges/Expert Profile Details

1. Ayush Ghadiya

9510902708
Upleta, Gujarat
patelayush6450@gmail.com

Ayush Ghadiya

AI Research Consultant

www.kaggle.com/ghadiyaayush
github.com/ghadiyaayush17601
linkedin.com/in/ayush-ghadiya-8982581a9

I am a driven and dedicated professional with a profound passion for Artificial Intelligence (AI), Data Science, and Deep Learning. Currently driving innovation as an AI Research Consultant at SONY Research India. Seeking a role to leverage my expertise and passion, delivering tangible results and pushing the boundaries of technology for impactful advancements.

SKILLS

Skills / Language	Python, Data Science, Machine Learning, Deep Learning, Data Analytics, Image Processing
Tools / Frameworks	Git, Tensorflow / keras, Scikit-Learn, Docker / Kubernetes, Google Cloud, FastAI, AutoML (H2o.ai, FLAML)
Communication	English, Gujarati, Hindi

EXPERIENCE

AI Research Consultant
SONY RESEARCH INDIA

- Utilized my expertise in MLOps, Computer Vision, and Data Science to make significant contributions to Research and development for disease detection through various Non-invasive biomarkers, including facial analysis and speech recognition as well as for the entertainment domain for content analysis.
- Contributed to research in the healthcare entertainment domain and filed two US patents, exemplifying innovation and technical excellence.
- Effectively applied my skills in the end-to-end process, spanning model development, deployment, and ongoing maintenance of resilient model services in a production environment. Leveraged cutting-edge technologies, including AWS SageMaker, Docker, and Jenkins, to ensure seamless integration of robust models into healthcare and entertainment application services.
- Technology: Video/Image/Audio/signal/ processing, MLOps, Deep learning, Computer vision, Data Science.

EDUCATION

Bachelors Of Technology in Information Technology, Charotar University of Science and Technology 6 2019 — 4 2023

PROJECTS

- My Pulmonologist: An Multi-Diseases Detection using Chest X-rays and CT Scan Images** 07 2021 — 12 2021
- Using Deep Learning And Image Processing Techniques My system will detect whether any patient is having lung cancer, covid-19, Tuberculosis, pneumonia or Normal from chest Xrays Ct Scan images. I used Transfer Learning to harness the power of pre-trained models, significantly expediting model development and enhancing disease classification accuracy.
 - Worked on end-to-end deployment of the disease detection model on Google Cloud Platform (GCP) services, employing robust Kubeflow pipelines and Docker containers, ensuring consistent and scalable deployment while optimizing resource utilization.
 - Demonstrated exceptional technical acumen by architecting an intuitive web-based interface using Python, Flask, HTML, CSS, and JS, enabling seamless interaction for medical professionals and ensuring efficient access to real-time disease diagnosis.
- Tourism Place recommendation using Twitter Trends** 01 2021 — 04 2021
- Developed a cutting-edge Tourism Place Recommendation system leveraging Twitter Trends, harnessing Tweepy API to extract and analyze real-time tourism-related tweets, and employing advanced Data Analysis techniques to identify positive sentiment patterns.
 - Pioneered the use of Natural Language Processing (NLP) to process and interpret textual data from tweets, enabling the extraction of meaningful insights and sentiment analysis, resulting in a highly accurate recommendation system for tourist destinations in India.
 - Showcased proficiency in Python programming by orchestrating the entire recommendation system, seamlessly integrating APIs, data analysis, and NLP libraries to provide a user-friendly platform that dynamically suggests travel destinations based on positive tourism sentiments expressed on Twitter.

CERTIFICATES / ACHIEVEMENTS

kaggle Notebooks Expert
From Data to insights with Google Cloud Specialization (Coursera)
30 Days On Google Cloud (Google Cloud)

INTEREST / HOBBIES

Playing Flute, Singing and photography



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2. Maharshi Relia

Maharshi Chetan Relia

✉ maharshirelia@gmail.com ☎ 9374723232 📍 Bengaluru, India 📅 23/01/2000 👤 Male
in <https://www.linkedin.com/in/maharshirelia>

CAREER OBJECTIVE

Flexible to obtain an internship / a position in any of the job profiles mentioned below:

1. Software Engineer
2. Project / Product Management
3. Project Coordinator
4. Cloud Engineer – Administrator / DevOps
5. UI-UX Designing

Education

M.Tech Information Technology R.V. College of Engineering, Visvesvaraya Technological University	2023 – present Bengaluru, Karnataka, India
B.Tech Information Technology CSPIT, Charotar University of Science & Technology 8.75 CGPA	2018 – 2022 Anand, Gujarat, India
HSC St. Xavier's High School, GSEB 56% Physics, Chemistry, Mathematics, English, Computer Science	2018 Surat, Gujarat, India
SSC St. Xavier's High School, GSEB 77%	2016 Surat, Gujarat, India

Skills

Project / Product Management Agile & Scrum	Product Development & UI UX Designing Figma	Programming Languages Python, C & C++
Front-End HTML, CSS, JavaScript, Basic React JS	Back-End Basic Node JS, Basic PHP	Cloud Computing Amazon Web Services (AWS), Google Cloud Platform (GCP)
Problem Solving Data Structures and Algorithms, Design and Analysis of Algorithm	Tools Asana, ClickUp, Jira, MS Office, Figma, Google Analytics, Google Webmaster, Google Property Listing, Keywords Research tools, Google Marketing Kit, GT Metrix, Google Page Speed Insights, Uber suggest, Github	OS Windows, Linux
Soft Skills Leadership, Professionalism, Strong Professional Communication, Teamwork, Work Ethics, Brainstorming	Networking TCP/IP	Enterprise Application Development



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Projects

Prediction & Analysis on Hotel Room Reservation & Analysis <i>Machine Learning & Cloud Computing</i> The project utilizes data stored in an AWS S3 bucket and connects it to an AWS Sagemaker instance. The project involves several Machine Learning algorithms with data cleaning, filtering, and exploration.	05/2023
FoodChow: Restaurant Management System <i>Semester 8 Major Project</i> Redeveloped an existing Restaurant Management System. Worked as UI-UX Engineer & Project Manager.	2022
Smart Waste Management System - "Smart Dustbin Phase 1 & 2" <i>IOT & Cloud Computing</i> The project was based on the concept of a sensor collecting the data from the Smart Dustbin and with the help of AWS Services, data would get stored in AWS DynamoDB and then pushed to the front-end portal.	2019 – 2022
Ziggy Delivery Serverless Cloud Application <i>Cloud Computing</i> Developed AWS Lambda function and fetched the data through AWS API Gateway.	2021
SHC E-Bikes Mobile Application with Smart Lock Worked as UI-UX & Front-end Engineer	2021
Designed & developed multiple websites with SEO <i>Freelancer</i>	

Professional Experience

Software Business Analyst & Project Management Intern <i>Tenacious Techies Pvt Ltd</i> Requirement Gathering & Analysis, Wireframing, Prototyping & UI-UX Designing, Team Building, Project Management.	12/2021 – 07/2022 Surat, India
Web Development & SEO Intern <i>Social 101</i> Developing landing web pages, Planning & Executing SEO Strategies, and Improving the Page Rank of potential clients.	06/2021 Surat, India

Publications

Decentralized Waste Management System: Smart Dustbin <i>Springer Nature</i> ICT with Intelligent Applications, Presented at 6th International Conference on Information and Communication Technology for Intelligent Systems. – April 2022. Book DOI: 10.1007/978-981-19-3571-8 https://link.springer.com/chapter/10.1007/978-981-19-3571-8_34	10/2022
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3. Megha Goriya

(+91)7359667555
Botad, Gujarat, India
meghagoriya067@gmail.com

MEGHA GORIYA Research Intern

Kaggle/ MeghaGoriya
github.com/Megha067
linkedin.com/in/megha-goriya-067

Ambitious and eager to learn new abilities. Student at Charusat University majoring in B.Tech (Information Technology) who hopes to get knowledge and expertise in data science. Having worked as a machine learning intern for six months, I'm looking for full-time work as a machine learning or deep learning engineer.

PERSONAL PROJECTS

Multi Disease Classification

- A system which classifies disease in different body parts such as eye, lungs and fracture. This system will help doctors to fasten the process of diagnosis and be more accurate about their decision. Three different models trained on different transfer learning models and respective datasets.
- Technology: Deep Learning, Pre-trained Models, HTML, CSS, Flask.

Patient Monitoring System

- System helps doctor to monitor patient all the time. It's an IoT project in which the patient's pulse rate and temperature are measured with an Arduino sensor and an ESP32 and then stored to an excel sheet. If the pulse rate and temperature are abnormal, an email is sent to the doctor. The information gathered is then analysed.
- Technology: Arduino, SMTP, Jupyter, Data Analysis.

TECHNICAL EXPERIENCE

Research Intern

Sony Research India Pvt. Ltd.

Jan 2022 — Present
Bangalore, Karnataka

- Research in field of healthcare with AI and Deep learning. Focus on writing Patents and research papers.

Machine Learning Intern

Smartsense solutions and consultancy Pvt. Ltd.

June 2022 — Dec 2022
Gandhinagar, Gujarat

- Internship started with training in python, ML, DL and NLP. Along with that I also learned and worked on web scrapping.
- Working on NER (Search Engine) and resume parser active projects right now.

SKILLS

Technology	Machine Learning (Supervised Learning , Unsupervised Learning , Reinforcement Learning), Classification , SQL, ANN, CNN, NLP, NER, Data Analysis, Google Cloud Platform, Python, web scrapping, elastic search (Basic), FastAPI (Basic), Flask, Image Processing.
Libraries	Keras, Tensorflow, Sklearn, Pandas, Numpy, Statsmodels, Scipy, Seaborn, Matplotlib, NLTK, MediaPipe, BeautifulSoup, spacy.
Communication	English, Hindi, Gujarati

EDUCATION

Bachelor of Technology - Information Technology- CHARUSAT UNIVERSITY

07 2019 — 06 2023
CGPA - 9.6

Higher Secondary, Krishna International School, Rajkot

06 2017 — 05 2019
Percentage - 78

CERTIFICATES AND ACHIEVEMENTS

- Kaggle Notebook Expert Rank-564
- From data to insights with google cloud specialization (coursera)
- Complete Machine learning with python ML A-Z (udemy)
- AWS Fundamentals : Going Cloud-Natives (Coursera)
- 30 Days Google Cloud - Google Cloud Platform
- National Cadet Corps - B Certificate
- National Cadet Corps - Ek Bharat Shreshtha Bharat (National Camp Certificate)

ORGANIZATIONS

Data Science Club, Co-Lead

2022 — Present

Kaggle Notebook and Discussion Expert

2022 — Present

Google Developer Student Club, ML Lead

2021 — 2022

National Cadet Corps - Sergeant

2019 — 2021



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A.Y. 2023-24



4. Zeel Amrutiya

Zeel Amrutiya

+1(973) 960-8491 • zeelamrutiya045@gmail.com • [LinkedIn](#) • [GitHub](#) • Allentown, PA

EDUCATION

Charusat University of Science & Technology

Anand, GJ, India

Bachelor's of Technology, Information Technology

April 2023

Coursework: DataBase, Data Warehousing and Data Mining, Machine Learning, Deep Learning, Data Science with Statistics, Programming in python, Software Engineering, Design and Analysis of Algorithms, Cloud Computing, Information Security, Computer Networking, Image Processing, Big Data Analytics

Authorized to work for any US employer

Technical Skills

Python, R, Pytorch, C++, SQL, Tableau, PowerBI, Microsoft office Suite (Word, Excel, PowerPoint), AWS, Google Cloud, Machine learning engineering, Docker, JIRA, Business Intelligence, Data analytics & web analytics jupyter notebook, BitBucket, GitHub, VScode, Spyder, Tensorflow & keras, Fastai, AutoML, Computer Vision.

Research Projects and Patents

My Pulmonologist: An Multi-Diseases Detection using Chest X-rays and CT Scan Images

- developed a system that utilizes deep learning and image processing techniques to identify the presence of lung cancer, COVID-19, tuberculosis, pneumonia, or normal condition in patients based on their chest X-rays and CT scan images. The system has been deployed on Heroku for easy access and use.
- utilizing advanced deep learning and image processing techniques, the project has achieved a noteworthy improvement over the existing research. It has demonstrated a 3% higher score in accurately identifying the presence of lung cancer, COVID-19, tuberculosis, pneumonia, and normal condition in patients.

Multi Eye Disease Classification

- Developed a model that can accurately classify eye diseases such as CNV, DRUSEN, and DME. Utilizing Retina Optical Coherence Tomography images. Model has achieved an impressive level of accuracy, standing at 89%.

BoneX- An multi bone fracture detection system

- Developed a keras based deep CNN on X-rays from Stanford MURA data and incorporating data extraction from a simulation environment, model that accurately detect fractures and identify their type with an precision and recall score 84%, improvement over previous results that scored 79%.
- Research paper takes towards getting published.

Work Experience

Eminence Technology Solutions LLC

Somerset, US

Data Analyst Engineer

Dec 2022- present

- Team consisting of 5 data analysts engineers with cross-functional expertise to gather insights and meaningful values from data, then analyze this data to extract valuable information that can assist in the creation of models.
- Responsible for collecting, organizing and analyzing large sets of data to help inform business decisions, Filter Data by reviewing reports and performance indicators to identify.

Fractal Analytics

New York, US

Machine Learning Intern

June-Dec 2022

- Collaborated with a team of 4 on a patent project that involved exploring the behavior of unstructured data using Graph Neural Network technology. Our focus was on detecting connections, behaviors, and nature between points in the data.

- Developed a model to determine the severity of the remarks in collaboration with a development team

Whizzminds Technologies

Ahmedabad, India

Data Science Intern

March- Dec 2021

- Assisted senior data scientists and statisticians in projects involving creating models and analyzing multiple data sets for clients. Developed customer segmentation algorithm in Python

PERSONAL ACCOMPLISHMENT

Founder Data Science Club

- Founded and led the Data Science Club at Charusat University, a student-run organization focused on promoting study and application of data science and machine learning through workshops, guest lectures and other events, organized an event for students on AI that is conducted by experts.

Teaching Assistant, Charotar University of Science & Technology

- Appointed as Teaching Assistant for Machine Learning - Deep Learning under Dr. Mrudang Pandya



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Event Photograph

Figure 1 Welcoming the participants and Expert

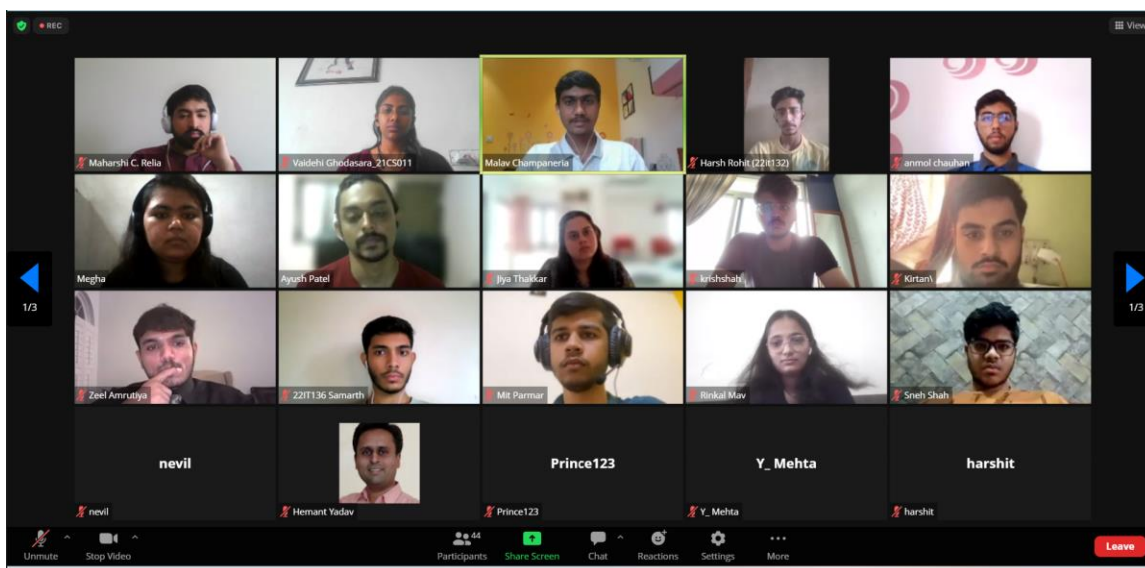
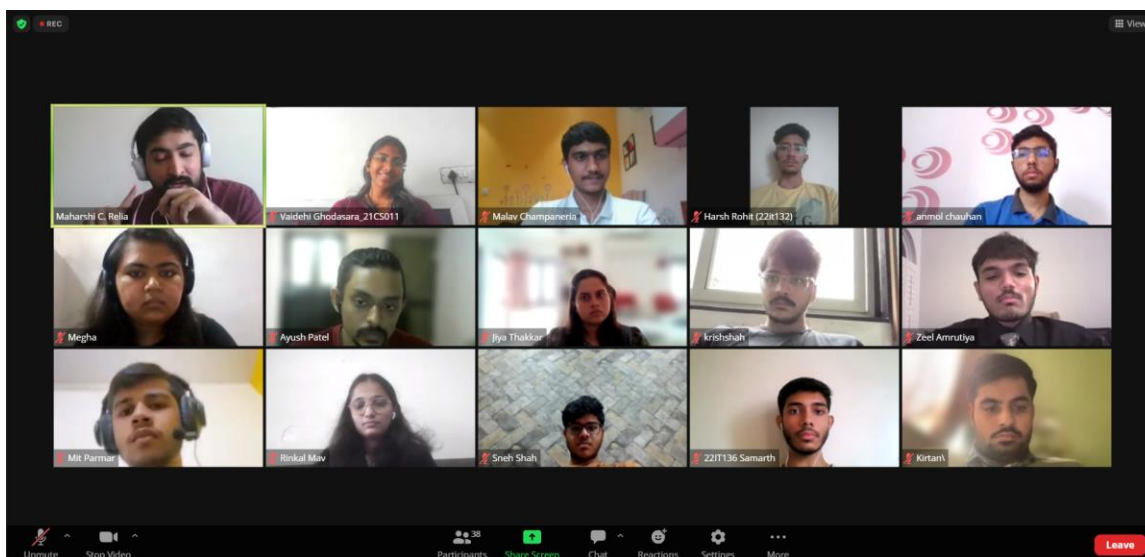


Figure 2 Expert explaining the job role as analyst





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Figure 3 Open Discussion with participants

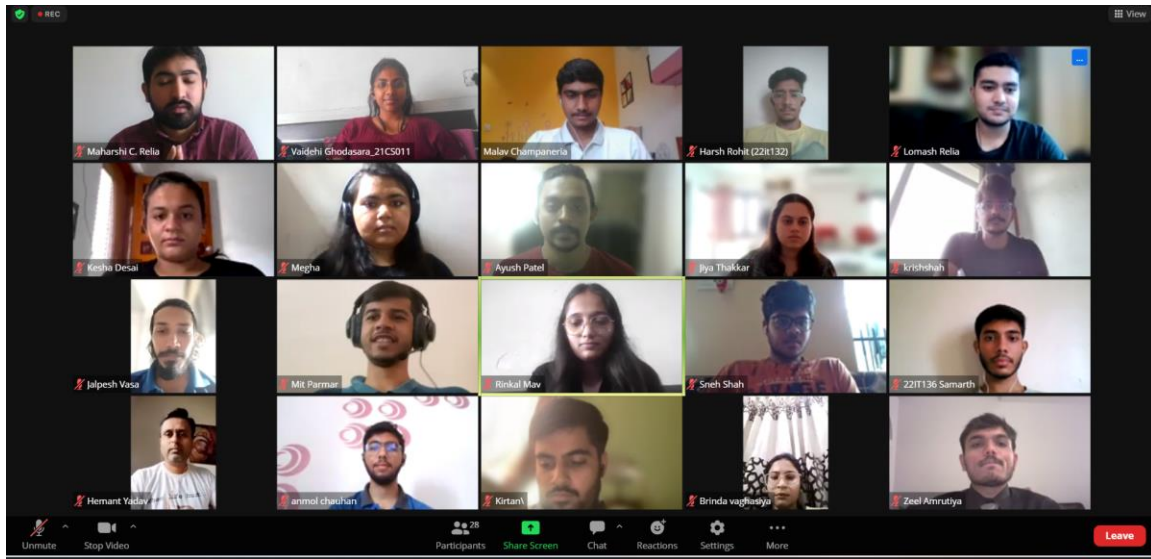
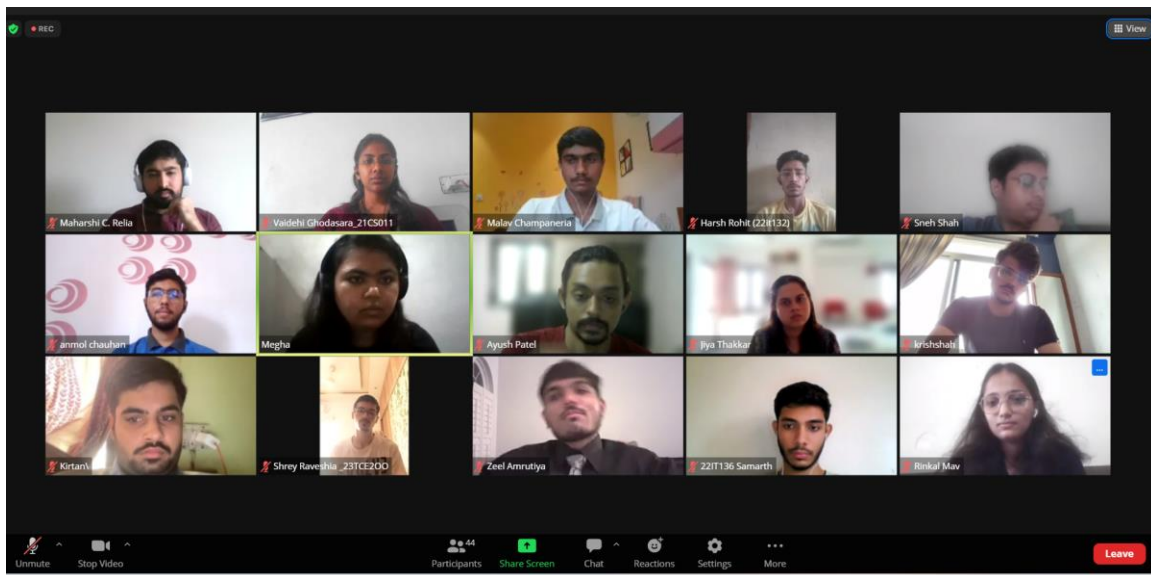


Figure 4 Vote of thanks by Club Members





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List of Participants

Event Name: “Data Dialogues: Paving Your way
through a Thriving Career”

Event Date: 9th September 2023

Total Number of Participant: - **114**

Email Address	Name	Student ID
22it123@charusat.edu.in	Ishita Mansukhbhai Patoliya	22IT123
21cs033@charusat.edu.in	Vru6	21CS033
22ce029@charusat.edu.in	Saloni Gadhiya	22CE029
22ce007@charusat.edu.in	Naisargi Bhatt	22CE007
22ce124@charusat.edu.in	Disha sudani	22CE124
22IT138@charusat.edu.in	Shah Krish Atulbhai	22IT138
d21ce165@charusat.edu.in	BRIJESH PATEL	D21CE165
22it103@charusat.edu.in	Nishit Patel	22IT103
20it035@charusat.edu.in	Dhruvi Gediya	20IT035
21ce143@charusat.edu.in	Jay Thanki	21CE143
21ce089@charusat.edu.in	Dhaval Patel	21CE089
d23ce173@charusat.edu.in	Aditya Mavadia	231190701412
21dit043@charusat.edu.in	DHRUV RAJESH PANPALIA	21DIT043
2it064@charusat.edu.in	Lakhani Chandresh Ashokbhai	22IT064
22it135@charusat.edu.in	Salot Parshwa Udaykumar	22IT135
21ce070@charusat.edu.in	Kirtan Matalia	21CE070
21it104@charusat.edu.in	Mit Parmar	21IT104
22ce128@charusat.edu.in	Kunjesh undhad	22CE128
d22cs090@charusat.edu.in	Aanchal Desai	D22CS090
21cs070@charusat.edu.in	Aakash Tadhani	21CS070
d22cs086@charusat.edu.in	Vruti Bhadja	D22CS086
22IT109@charusat.edu.in	RONAK PATEL	22IT109
21CS032@charusat.edu.in	Mahima Mehta	21CS032
21cs005@charusat.edu.in	ANMOL CHAUHAN	21CS005



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20ce101@charusat.edu.in	SAHIL PATEL	20CE101
21it158@charusat.edu.in	SUTARIA UDAY DIPAK	21IT158
22it113@charusat.edu.in	Smit	22IT113
21ce007@charusat.edu.in	Daksh Bangoria	21CE007
21it153@charusat.edu.in	Sojitra dhruvi	21IT153
21it101@charusat.edu.in	Parekh Anish Nimeshbhai	21IT101
22it008@charusat.edu.in	Bhatt Jay	22IT008
22it116@charusat.edu.in	Trushangkumar sumanbhai patel	22IT116
20ce104@charusat.edu.in	Siya Patel	20CE104
20ce100@charusat.edu.in	Rishi Patel	20CE100
22aiml049@charusat.edu.in	Sneh T Shah	22AIML049
22aiml003@charusat.edu.in	Bhanushali Harsh Ashvinbhai	22AIML003
21ce001@charusat.edu.in	Harshit Ajakiya	21CE001
21it052@charusat.edu.in	Abhishek Joshi	21IT052
d22it193@charusat.edu.in	Gaadhe Badal	D22IT193
22it132@charusat.edu.in	Harsh Rohit	22IT132
22IT136@charusat.edu.in	Samarth Chauhan	22IT136
nidhsjain22@gmail.com	Nidhi Jain	23TITLIQ
bhesanianyuti05@gmail.com	Nyuti Bhesania	23TITWT1
saumyachandwani1510@gmail.com	Saumya chandwani	23TDCS014
khushidadhaniya8@gmail.com	Dadhaniya khushi Niteshbhai	23TDCS017
kevaljogani150@gmail.com	Keval mehulbhai jogani	23tdcs042
22it133@charusat.edu.in	Herry Rojivadiya	22IT133
yatridungarani04@gmail.com	Yatri Dungarani	23TDCS025
22dit006@charusat.edu.in	Borda het	22DIT006
22it140@charusat.edu.in	Shah Sneh Pragneshkumar	22IT140
22aiml048@charusat.edu.in	Neel Shah	22AIML048
21dit038@charusat.edu.in	Mavani Meet B.	21DIT038
21ce002@charusat.edu.in	Andrew Babu Augustine	21CE002
22ce004@charusat.edu.in	Tanvi Balsara	22CE004



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Riyanavadiya141@gmail.com	Navadia riya rajnibhai	23TCEHTP
dishavekaria151@gmail.com	Vekaria Disha Manishkumar	23TITXXL
princevagadiya2005@gmail.com	Prince vagadiya	23CE140
priyyapedhadiya1497@gmail.com	Pedhadiya	
22it147@charusat.edu.in	Thakkar Jiya Ketan	22IT147