



## CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

Accredited Grade 'A+' by NAAC

CHARUSAT Campus, Off Nadiad- Petlad Highway, Changa-388421  
(GUJARAT) INDIA



### CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY (CSPIT) SMT. K. D. PATEL DEPARTMENT OF INFORMATION TECHNOLOGY

#### Event Report (Alumni Activity)

Name of Event	:	<b>Data dialogues: paving the way to a thriving career</b>
Date & Time of Event	:	09/09/2023
Venue / Web-Link for Event	:	<a href="https://us06web.zoom.us/j/81315454987?pwd=YlUvRzAxKzRObkJlcnBYbS9OZGQ4Zz09">https://us06web.zoom.us/j/81315454987?pwd=YlUvRzAxKzRObkJlcnBYbS9OZGQ4Zz09</a>
Event Type (Webinar, Workshop, Mock Interview, etc)	:	Webinar
Event Coordinator	:	Hemant Yadav, Jalpesh Vasa
Resource Person Details (if any)	:	Ayush Gadiya
Event for (UG/PG/Ph.D.)	:	UG
No. of Participants	:	60

Sr. No.	Name of Resource Person	Designation, Organization Name and Contact Details of Resource Person
1	Zeel Amrutiya	Solution Analyst S/W Developer, DeloitteUS, 0019739608491
2.	Ayush Gadiya	AI Research Consultant, SONY, 9510902708
3.	Megha Ghoriya	AI Engineer, IBM, 7359667555
4.	Maharshi Relia	Intern, Cloud Network Service, NOKIA, 934723232

#### **Summary of the Event (Maximum 200 words):**

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 10<sup>th</sup> 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



#### Financial Details:

Sr.	Details	Amount
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No.		(in Rs.)
<b>Income</b>		
1.	Remuneration	Rs.2000/-
<b>Expenses</b>		
1.	NIL	-----



## Enclosures: -

### 1. CV/Resume with Photo of Resource Person

#### Ayush Gadiya

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

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

## 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%

2018  
Surat, Gujarat, India

Physics, Chemistry, Mathematics, English, Computer Science

#### SSC

St. Xavier's High School, GSEB  
77%

2016  
Surat, Gujarat, India

### Skills

#### Project / Product Management

Agile & Scrum

#### Front-End

HTML, CSS, JavaScript, Basic React JS

#### Problem Solving

Data Structures and Algorithms, Design and Analysis of Algorithm

#### Soft skills

Leadership, Professionalism, Strong Professional Communication, Teamwork, Work Ethics, Brainstorming

#### Product Development & UI UX Designing

Figma

#### Back-End

Basic Node JS, Basic PHP

#### 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

#### Networking

TCP/IP

#### Programming Languages

Python, C & C++

#### Cloud Computing

Amazon Web Services (AWS), Google Cloud Platform (GCP)

#### OS

Windows, Linux

#### Enterprise Application Development

## Megha Goriya

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Botad, Gujarat, India  
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## 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 diagnose 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 to 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, Beautiful Soup, 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



## Zeel Amrutiya

+1(973) 960-8491 • [zeelamrutiya45@gmail.com](mailto:zeelamrutiya45@gmail.com) • [LinkedIn](#) • [GitHub](#) • Allentown, PA

## EDUCATION

Charusat University of Science &amp; 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 &amp; Technology

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

## 2. List of Participants

Email Address	Name	Student ID
22it123@charusat.edu.in	Ishita Mansukhbhai	22IT123

	Patoliya	
21cs033@charusat.edu.in	Vru6	21CS033
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22it147@charusat.edu.in	Thakkar Jiya Ketan	22IT147

### 3. Event Feedback Summary

Email Address	College	Department	Current Sem	How much beneficial did you find the event?	Would you be interested in and willing to participate in future events?
20dcs128@charusat.edu.in	DEPSTAR	CSE	7	8	Yes
jahnnavipatel3256@gmail.com	CSPIT	CE	1	8	Yes
22it132@charusat.edu.in	CSPIT	IT	3	9	Yes

22ce029@charusat.edu.in	CSPIT	CE	3	6	Yes
21dce112@charusat.edu.in	DEPSTAR	CE	5	10	Yes
22it075@charusat.edu.in	CSPIT	IT	3	9	Yes
22aiml008@charusat.edu.in	CSPIT	AIML	3	10	Yes
22it008@charusat.edu.in	CSPIT	IT	3	10	Yes
d22dce172@charusat.edu.in	DEPSTAR	CE	5	10	Yes
22aiml049@charusat.edu.in	CSPIT	AIML	3	10	Yes
21ce070@charusat.edu.in	CSPIT	CE	5	9	Yes
22aiml048@charusat.edu.in	CSPIT	AIML	3	10	Yes
shreyravesia07@gmail.com	CSPIT	CE	1	7	Yes
vrushankpganatra2015@gmail.com	CSPIT	IT	1	6	Yes
22it136@charusat.edu.in	CSPIT	IT	3	9	Yes
d21ce165@charusat.edu.in	CSPIT	CE	7	10	Yes
d22cs090@charusat.edu.in	CSPIT	CSE	5	10	Yes
21dit083@charusat.edu.in	DEPSTAR	IT	5	9	Yes
21it158@charusat.edu.in	CSPIT	IT	5	8	Yes

*H. Hemant*  
*mass*

Prof. Hemant Yadav  
Prof. Jalpesh Vasa  
Event Coordinator

*Sagar Patel*

Dr. Sagar Patel  
Secretary, CAA-CSPIT

*Trushit Upadhyaya*

Dr. Trushit Upadhyaya  
Chairman, CAA-CSPIT