

Rohan Joshi

Graduate Student

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📍 Gandhinagar, Gujarat

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🌐 Rohanjos97

- Dynamic and Adaptable personality with exceptional attention to detail.
- 2 years of Experience with proven ability to learn quickly and thrive in fast-paced environments.

Education

M. Tech
Dhirubhai Ambani Institute of Information and Communication Technology
07/2022 – present | Gandhinagar, India
Current CPI: 8.69

B. Tech
SRM Institute of Science and Technology
07/2015 – 05/2019 | Kattankulathur, India
Percentage: 86.8%

High School
Montfort School
2014 – 2015 | Roorkee, India
CBSE Percentage: 86.6%

Skills


Programming Languages (Python, PostgreSQL)

Libraries (Tensorflow, Keras, Numpy)

Tools (Jupyter Notebook, Google Colab, GitHub)

Softwares (VS Code, MS Excel, Power BI)

Publications

Adversarial Defense: Use of Auto-Inpainting 
Springer Cham
20/09/2023
Co-authored and presented the "Robust Adversarial Defence: Use of Auto-Inpainting" paper at The 20th International Conference on Computer Analysis of Images and Patterns (CAIP) 2023.

Area Of Interests

Machine Learning
Data Scientist
Deep Network
Adversarial Machine Learning

Professional Experience

Clomotech
Intern
05/2023 – 07/2023 | Ahmedabad, India

- Collaborated with the team remotely to implement a successful machine learning solution to predict SPY(Standard Poor's 500 ETF) using a dataset with a 5-minute timeframe.
- Employed hybrid time-series models, AutoML, and classification-based techniques to enhance accuracy and performance.

Oracle Cerner
Software Developer
2019 – 2021 | Bangalore, India

- Excelled as a web developer, leveraging expertise in front-end technology like React and JavaScript to build fast and responsive websites.
- I undertook the leadership role of spearheading the front-end tasks, driving the development of innovative features, and diligently resolving bugs to ensure seamless functionality.
- Directed facilitation of new associates within the team on any roadblock issues and developing best practices on the newer platform.

Projects

Adversarial Defense: Use of Auto- Inpainting
11/2022 – 04/2023

- Formulated an inventive and novel adversarial defense technique that helps enhance the robustness of the ML model against adversarial patch attacks.
- The technique involves a sophisticated pipeline that automatically detects the adversarial patch without affecting the original integrity of the image.

BasketVision: Dynamic Basketball Prediction
09/2022 – 11/2022

- Implemented a refined Regression technique, determining whether a basketball shot would make it inside the hoop.
- Strategically calculate the speed of the basketball by extracting raw information from the video source.

Role of Responsibility

Teaching Assistance, DAIICT
DataBase Management System(DBMS), Machine Learning(ML)
Ahmedabad, India

- Worked closely with the course instructor to create and deliver engaging, creative, and informative assignments.
- Received positive feedback from students for clear communication and availability for extra help.

Achievements

Night On The Town (NOTT) Award
06/2020

- Received the award for continued effort and commitment toward the team.
- This award has played a significant role in elevating my visibility and reputation among senior leaders.

Hobbies

Bonding with my dog • Solving puzzles • Gaming Enthusiast
Cooking