NAMAN RAJENDRA JOSHI

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EDUCATION

University of Southern California, Los Angeles, United States **AUG 2022–PRESENT**
Master of Science in Electrical and Computer Engineering - Machine Learning and Data Science
Relevant courses: Computing Principles for Electrical Engineers, Probability for Electrical and Computer Engineers, Linear Algebra for Engineering.

Thakur College of Engineering and Technology, Mumbai University, India **AUG 2017-JUL 2021**
Bachelor of Engineering in Electronics and Telecommunication with Distinction **CGPA 8.8/10**
Relevant courses: Structured Programming Approach, Database Management Systems, Big Data Analytics, Image Processing and Machine Vision, Management Information Systems and Signals and Systems.

PROFESSIONAL EXPERIENCE

Vividminds Technologies Pvt. Ltd. (Quixy), Hyderabad, India **AUG 2021–JUL 2022**
Machine Learning Intern – Emerging Tech Team

- Spearheaded a form processing project using Transformer based Deep Learning models for improving the form processing functionality in company's website and increased existing system accuracy by 6%; prepared weekly reports containing project milestones and action items.
- Performed web scraping tasks to analyse data and extract image data using Optical Character Recognition to implement Electronic Know Your Customer(E-KYC) solutions in a group of 2.

Iha Consulting Services Pvt. Ltd., Hyderabad, India **JUN 2020-NOV 2020**
Data Science Intern

- Implemented a Proof of concept by liaising with client's operations team and applied exploratory data analysis using Python and Tableau on broadband outage data for improving current network outage problems faced.
- Predicted outages using Machine Learning techniques such as Logistic regression, random forest, etc., and recommended areas which are most prone to network outage and analysed data using Tableau software.

ACADEMIC PROJECTS

University Prediction for Admission Applications

- Led a four-member team to build a website that can suggest universities to students for sending in applications for graduate studies in the U.S.A. using Machine Learning; achieved a 5th rank in college department of Electronics and Telecommunications.
- Technologies and libraries used: Flask web Framework, Python, Scikit-Learn, Pandas, Seaborn and NumPy.
- Presented a research paper based on the above project at, 'Multicon-W 2021' event organized by college during International Conference on Trends in Electronics and Communication.

Mini-Self-Driving Car

- Headed a four-member team to build a semi-autonomous mini car to identify road lanes, objects, stop sign and lane ends by training a deep learning model on images of all objects involved and used rule-based methods.
- Obtained a consolation certificate and trophy when participated in 'GMRT Science Day Exhibition' conducted by Tata Institute of Fundamental Research, (2020).
- Technologies and libraries used: Cascade Classifier, C++ programming, Arduino programming and Computer Vision.
- Presented a research paper based on the above project at 'Multicon-W 2020' event organized by college during International Conference on Trends in Electronics and Communication.

TECHNICAL SKILLS

- Programming languages: C, C++, Python.
- Fundamentals of Object-Oriented programming, Deep Learning, Machine Learning (ML), Computer Vision (CV), Natural Language Processing (NLP) Techniques, A/B Testing, Applied Mathematics, Statistics, SQL.
- Libraries: Scikit-Learn, Matplotlib, Pandas, Seaborn, NumPy, Keras, Sci-Py. | Software: MATLAB and Tableau.

ACTIVITIES

- Secured a score of 72% in Grade 1 Violin exam from Trinity College, London, (2020).
- Managed a team of three members for completing a Branding and marketing live project for Alkymia, France on publicizing "Popshot" application, (2020).
- Obtained certification for an online course "'The Data Scientist's Toolbox" conducted by John Hopkins University via Coursera (2020).
- Attained certification in 'Machine Learning for Engineering and Science Applications' offered by IIT Madras via NPTEL, (2019).
- Received verbal mention among 93 candidates in a 3-day event; attended Model United Nations conference as a delegate of South Africa in DISEC committee wherein debated on security issues of Ukraine, (2017, 2019).