NEEL MEHTA

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SUMMARY

Electrical and Computer Engineering graduate student with strong technical and engineering skills in Robotics and Data analytics.

EDUCATION

University of Illinois at Chicago (UIC) - Chicago, IL — May 2023 (Expected)
Master of Science in Electrical and Computer Engineering

DJ Sanghvi College of Engineering (DJS) - Mumbai, India — May 2020
Bachelor of Science on Electronics Engineering — GPA: 3.7/4.0

TECHNICAL SKILLS

Hardware: Amplifiers, Oscilloscopes, Embedded hardware, Raspberry Pi, various other microcontrollers
Software: Python, C, Simulink, LTSpice, Cisco Packet tracer, ORCad, Microsoft Word, Excel, PowerPoint and Linux.

PART-TIME EXPERIENCE

IEEE Brainwaves - Mumbai, India — Oct. 2017 – Dec. 2019
Head of media

- Obtained valuable professional skills such as promotions, brand management and creative thinking. Worked on variety of projects and workshops within IEEE, some of which included Wired and Wireless BOT, Embedded C, Blockchain.

Social Media Committee (SMC) – Mumbai, India. — Aug. 2018 – Dec. 2019

- Redesigned the social and online presence of DJ Sanghvi College of engineering. Learned Brand management, Team management and Efficiency under time constraints.

ACADEMIC PROJECTS

Data analysis and plotting: **Charting business data and plotting hypothetical statistics** — Aug. 2020

- Data was gathered, cleaned and sorted.
- Analytical scenarios like “optimum time for advertisement”, “which city sold the most product”, “which product sold the most and why?” were plotted using MatPlotLib in Python.

ROCK/PAPER/SCISSORS classification using Tensor Flow: — Mar. 2020

- Images from the tensor flow library “rock paper scissor” were gathered
- Machine learning Algorithm was written to classify rock/paper/scissors
- Self-correction algorithm to maximize accuracy was also implemented

Self-Driven Car: — Feb. 2021

- A Self-Driving car prototype using machine learning and computer vision was built.
- Raspberry Pi 4, was used as the brains of the system
- Pattern recognition, Cluster algorithms, Decision Matrix algorithms were utilized to make an efficient AI object detecting vehicle.

ACHIEVEMENTS

- Applied Machine Learning in Python by University of Michigan — June 2020
- An Introduction to Interactive Programming in Python (Part 1) by Rice university — July 2020