MAAHIR VOHRA

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EDUCATION

NEW JERSEY INSTITUTE OF TECHNOLOGY (NJIT)   Newark, NJ
Ying Wu College of Computing   Expected Graduation: **Spring 2025 (Junior)**
Bachelors of Science in Computer Science
- GPA: 3.4
- Key Courses: Data Structures & Algorithms, Computer Architecture & Assembly, Principles of Operating Systems, Programming Language Concepts(C++), Intro to AI, Database Prg (MySQL/Oracle SQL), Discrete Mathematics, Software Engineering

COUNTY COLLEGE OF MORRIS (CCM)   Randolph, NJ
Associates of Science in Computer Science   Graduation: **Fall 2022**

TECHNICAL SKILLS

Programming Languages: Python, Java, C, C++, C#, JavaScript, SQL, HTML/CSS, PHP, Bash, Assembly
Engineering Technologies: ReactJS, Flask, AWS, GCP, MySQL, Oracle SQL, Jira, Docker, NumPy, SciPy, TensorFlow, Scikit-Learn, PyTorch, Keras, pandas, pyodbc, Github, Power BI, Figma, FileZilla, AutoDesk Inventor, Adobe Illustrator
Operating Systems: Windows, MacOS, Linux, Android, iOS
Certifications: Lean Six Sigma - A3 Yellow Belt Certification

EXPERIENCE

Medtronic   North Haven, CT
Backend Engineer Intern   May 2023 - Aug 2023
- Achieved a **yearly labor cost reduction of ~$65,000** by automating data entry processes, and enhancing data accuracy, efficiency, and productivity.
- Transformed manual daily database data insertion into an **automated time-saving solution**, reducing processing time to execute in seconds compared to a manual insertion of 20 minutes, while also minimizing errors.
- Designed and implemented **Python scripts** with error handling to dynamically update database tables, utilizing **pandas**, **pyodbc**, and **SQLAlchemy** to ensure data integrity, data type conversions, and perform bulk operations.
- Utilized **Power BI** to create data-driven dashboards, extracting insights from plant data to **identify cost-saving trends**.
- Implemented initiative to reduce paper waste, promoting environmental sustainability and operational efficiency.

PROJECTS

NJIT Schedule Generator   Jul 2023 - Present
- Utilized self-taught skills in **HTML**, **CSS**, **PHP**, **JavaScript**, **ReactJS**, and **Flask** to develop a scheduling application.
- Designed and implemented a user-friendly UI using **Figma**, allowing users to input classes, ideal time slots, and preferred days of the week to generate all possible schedule options utilizing a **Breadth-First Search algorithm.**
- Integrated a robust backend system including **Python** scripts to pull and store class data into a **MySQL** database, **Flask** routes for retrieving course information, and **RESTful APIs** for frontend-backend communication.
- Collaborating with two colleagues utilizing **Jira** to integrate and refine backend functionalities, with the goal of completion by the end of February 2024.

Personal Website   Jan 2024 - Jan 2024
- Developed a personal portfolio website from scratch, demonstrating self-taught proficiency in HTML, CSS, JavaScript, and ReactJS.
- Acquired hands-on experience in web development, emphasizing the ability to learn and apply new technologies independently.

EXTRACURRICULAR

Vice President of MSA (Muslim Student Association) at CCM   Jan 2022 - Dec 2022
- Demonstrated strong teamwork and leadership skills by leading a team in planning and executing multicultural events
- Took the lead in promoting events through campus and social media, fostering collaboration with other clubs, showcasing effective communication, and coordination with other clubs to ensure maximum outreach and participation.
- Facilitated communication with local restaurants, negotiating prices and managing financial transactions for the club.