

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, Intro to Java, Intro to Python, Programming Language Concepts(C++), Intro to AI, Database Prg (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, 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, resulting in enhanced 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

- Collaborated with college advisors and other board members to plan and execute multicultural community events.
- Promoted events on campus and social media by creating flyers and working with other clubs.
- Facilitated communication with local restaurants, conducting price negotiations and overseeing financial transactions for the school club.