

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: React JS, 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

Technology Intern

May 2023 - Aug 2023

- Enhanced the overall efficiency of the production plant by automating manual tasks and visualizing data.
- Transformed a manual daily process of database data insertion into an automated time-saving solution.
- Implemented and designed a **Python script** that dynamically updates database tables with error handling.
- Developed using **pandas**, **pyodbc**, and **SQLAlchemy** libraries to ensure data integrity, handle data type conversions, and perform bulk data insertion, reducing processing time and minimizing errors.
- Acquired proficiency in **Power BI** to create **data-driven dashboards**, extracting insights from plant data, and leveraging **business intelligence to identify cost-saving trends**.
- Helped reduce paper waste in the production plant to be more environmentally sustainable and efficient.
- **Reduced yearly labor costs by ~\$65,000** by automating data entry processes to execute in seconds compared to a manual insertion of 20 minutes which allowed enhanced data accuracy and overall productivity.

PROJECTS

NJIT Schedule Generator

Nov 2023 - Present

- Self-taught **HTML**, **CSS**, **PHP**, **JavaScript**, **React JS**, and **Flask** in order to utilize the technology to suggest and generate schedules automatically based on the classes a student wants to take.
- Wrote a script that pulls class data and utilizes a **MySQL** database to store the data.
- Created a user-friendly UI with a simple design using **Figma**.
- Input classes, ideal time, and days of the week. Outputs all possible schedule options.
- Collaborating with a friend to complete project before next semester class registration.

Personal Website

Jan 2024 - Jan 2024

- Developed a personal portfolio website from scratch, demonstrating self-taught proficiency in HTML, CSS, JavaScript, and React JS.
- 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.