

# MAAHIR VOHRA

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## EDUCATION

### NEW JERSEY INSTITUTE OF TECHNOLOGY (NJIT)

Newark, NJ

Ying Wu College of Computing

Expected Graduation: **Fall 2025 (Senior)**

#### Bachelors of Science in Computer Science

- GPA: 3.3
- Key Courses: Data Structures & Algorithms, Computer Architecture & Assembly, Principles of Operating Systems, Programming Language Concepts(C++), Intensive Programming In Linux (C), Intro to AI, Intro to Machine Learning, Database Prg (MySQL/Oracle SQL/MongoDB), 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++, JavaScript, TypeScript, SQL, HTML/CSS, Bash, Assembly

**Engineering Technologies:** ReactJS, Flask, AWS, GCP, MySQL, Oracle SQL, PostgreSQL, Jira, Docker, NumPy, SciPy, TensorFlow, Scikit-Learn, PyTorch, Keras, pandas, pyodbc, Github, Vite, Power BI, Figma, FileZilla, AutoDesk Inventor, Adobe Illustrator

**Operating Systems:** Windows, MacOS, Linux, Android, iOS

**Certifications:** Lean Six Sigma - A3 Yellow Belt Certification

## EXPERIENCE

### Cambridge Associates

Boston, MA

#### Full Stack Engineer Intern & Co-op

June 2024 - Dec 2024

- **Developed and maintained the Client Portal serving 1,300 global clients**, gaining a comprehensive understanding of full-stack development.
- **Created fully functional components end-to-end** using React, TypeScript, and Java, enhancing user interface and engagement.
- Implemented server-side development with Spring Boot and Java, ensuring robust and scalable backend services.
- **Resolved 25 moderate bugs**, improved system stability, and **delivered 8 new features**, enhancing portal functionality and user experience.
- Collaborated with cross-functional teams (development, UX, QA) to ensure seamless integration and quality assurance.
- **Extended internship offer to co-op**; continued part-time until December 2024.

### 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

Nov 2024 - 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 March 2025.

## 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.