Ahmed Zaheer

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EDUCATION

University of Texas Arlington   **Arlington, Texas**
B.S. in Mechanical and Aerospace Engineering
- o **GPA:** 3.7/4.00, *Dean's List*
- o **Related Coursework:** Computing in Python, Computer Organization & Programming, Approaches to Intelligence, Object-Oriented Programming, Statistics, Calculus, Discrete Mathematics
- o Introduction to Computer Science (CS50) by **Harvard University**
- o Introduction to Computer Science and Programming Using Python by **MIT**

EXPERIENCE

Tenet Healthcare   **Detroit, Michigan**
Data Analyst   *December 2022 – Aug 2024*
- Responsible for integrating and maintaining healthcare data for the entire subdivision of primary care facilities, and improved data accuracy by 20%
- Transformed complex healthcare datasets into actionable formats using **SQL**
- Utilized libraries like **NumPy**, **TensorFlow**, and **Matplotlib** to develop data science scripts.
- Reduced data processing time by 13% by automating tasks using Python and SQL
- Initiated and trained machine learning models to anticipate patient needs resulting in a 27% reduction in missed appointments and increased revenue.

FMC Technologies Inc.   **Houston, TX**
Internship Design Engineer   *May 2020 – December 2020*
- Designed low-cost cathodic protection using design analysis and calculations with **MathCAD** and **Excel**
- Updated pipeline and fitting product design per various codes: ASME B31.8, B31.3, API 17D, 6A, etc
- Worked in confined space area, heights with fall arrest systems, welding, and used highly complex machinery while learning and maintaining an excellent understanding of safety and quality
- Implemented **Six Sigma** methodologies to enhance process safety and quality

PROJECTS

Full Stack Website (In Progress)   **New York, New York**
Developer   *May 2024 – Current*
- Building a full-stack web application to predict personalized dining recommendations using **machine learning algorithms**
- Developing a bot service leveraging **Zomato API** and **Python** to locate restaurants based on user preferences.

Weather App   **New York, New York**
Developer   *July 2024*
- Built a responsive weather application providing a 7-day forecast based on user input or location
- Integrated data from **OpenWeather API** and designed the UI using **TypeScript** and **CSS**

ACTIVITIES AND LEADERSHIP

University of Texas College of Engineering Distinguished Student Award   **May 2020**

SKILLS

Programming Languages: Python, JavaScript, TypeScript, HTML/CSS, SQL, Node.js, React.js, MATLAB, C++
Tools: Git, VS Code, Bootstrap, Tailwind, Tableau, MySQL, Advanced Excel, MongoDB, PyCharm, Chrome Dev Tools
Libraries & Frameworks: NumPy, TensorFlow, Express.js, Cypress, Jasmine