Tejas Vermani

Stamford, CT | (203) 979-2084 | tejasvermani@gmail.com| tvermani13.github.io/professional-portfolio | US Citizen

Education

Georgia Institute of Technology | Atlanta, GA   *August 2021 – December 2024*
Candidate for Bachelor of Science, Computer Science
Concentration in Intelligence, Modeling and Simulation
GPA: 3.54

Work Experience

Carrier Global   *May – August 2023*
Software Engineering & Architecture Intern (Digital Foundry)   Palm Beach Gardens, FL
- Architected data governance policy for Carrier.io pipeline, leveraged AWS Glue
- Extended Brick Schema to accommodate Carrier involvement in refrigeration (Lynx)
- Applied machine learning on Sparkplug B formatted data received from IOT assets, analytics…

Wakefern Food Corporation   *June – August 2022*
Software Engineering Intern   Edison, NJ
- Using Java & JSP, updated procedures enabling notification functionality and error handling for POS application.
- Refactored existing code, increased efficiency, restricted edit access, and built large data set testing systems.
- Developed training module for data entry employees on use of POS Dashboard/application.

Strictly Accounting, CPA   *Jan – June 2021*
Accounting, Data Intern   Stamford, CT
- Utilized Microsoft Excel to create templates for standard tax returns
- Collected and analyzed data on clients of the firm to increase market penetration

Projects

Autonomous and Connected Transportation (ACT) Driving Simulator   *Aug 2022 - Current*
- Studied state-of-the-art in multi-objective optimization solution algorithms
- Modeled multi-objective problems and developed appropriate solution methods given data
- Programmed labor rotation cost optimization model, minimizing costs

Campus Discovery @ Georgia Tech   *Aug 2022 – Dec 2022*
- Created a web application that allows Georgia Tech affiliates to view, create, and register to attend events on campus
- Used React JS to implement RESTful web architecture, and Google Maps API to create interactive map of events
- Used Firebase as backend to store user and event data, and send and receive said data to and from front-end

Frintz   *May 2018 – Aug 2019*
- Utilized Swift to implement the back-end functionality for iOS
- Architected a service application leveraging Optical Image Recognition for targeted advertising

Organizations

Data Science @ Georgia Tech   *Aug 2022 - Current*
- Participated in boot camp, covering Python, Pandas, NumPy, and Machine Learning topics

Awards

Faculty Honors – Georgia Institute of Technology (Fall 2022)

Dean's List – Georgia Institute of Technology (Fall, Spring 2021, Spring 2022)

Skills

Programming Languages: Java, Python, React JS, Spring Boot, C, Assembly, C++, SQL, JavaScript, Swift, Git
Technologies: AWS Cloud, Spring Boot, GitHub, MySQL, Google Colab
Relevant Courses: Robotics and Perception, Computer Organization and Programming, Object-Oriented Programming, Data Structures and Algorithms, Discrete Math, Linear Algebra, Differential Equations, Probability & Statistics