Sanjiv Parthasarathy

585-967-2703 | psanjiv@umich.edu

Education

The University of Michigan **Ann Arbor, MI**
Bachelor of Science Engineering - Computer Science *Class of 2025*

- **GPA**: 3.5/4.0
  Relevant Coursework: Operating Systems, Machine Learning, Web Systems, Computer Organization, Data Structures and Algorithms, Programming and Data Structures, Programming, Electronics for Atmospheric & Space Measurements, Discrete Math

Internship Experience

Capital One **Mclean, VA**
Product Management Intern *June 2024 – August 2024*

- Developing an internal Gen AI model capable of analyzing incident reports in the Card line of business to tailor/ automate recommendations to Risk Managers responsible for ensuring recommendations match legislation.
- Trained a large language model with Python/TensorFlow using past data sets and optimized the feature usage to effectively build a model capable of analyzing trends and assigning recommendations accurately in readable formats
- Delivering a roadmap/educating data scientists for long term implementation/maintenance of the model

Verizon **Cary, NC**
Product Management Intern *June 2023 – August 2023*

- Developed, tested, and released a platform, using ServiceNow, that organizes company requests, incorporates in-platform communication, and provides data analytics tools to optimize workflow of Contract Team
- Designed and created an intuitive and user-friendly experience for seamless adoption by non-technical employees
- Improved efficiency, sales velocity, and capacity for Contract team to increase revenue for Verizon Enterprise deals
- Led meetings for audience with little technical experience to identify needs, plan, and present solutions

Side Project: Created an IoT device that sends SMS messages based on sensor readings by programming Fast APIs with Python and accessing containers with Docker

Argonne National Laboratory **Lemont, IL**
Software Engineer *June 2022 – August 2022*

- Programmed drivers of 3 microplate processing robots with Python to enable autonomous/continuous functionality
- Created 3 ROS Packages with 5 ROS Nodes to enable future expansion of robots in autonomous lab
- Led meetings for research group to provide updates to potential industry partners, researchers, and interns

Student Organization/Personal Projects

Michigan Student AI Lab **Ann Arbor, MI**
University of Michigan *January 2023 – May 2023*

- Conducted a machine learning model, using Python and Tensorflow, that analyzes data obtained via the Spotify API to generate a list of song recommendations based on the users input.
- Implemented CNN to analyze audio features using bag of words model, feature extraction, and clustering techniques
- Programmed an established User Interface with HTML/CSS that performs different kinds of data analytics

Instagram Duplicate

- Programmed, using Python, Flask, and HTML, and JavaScript, a set of Server/Client Side Pages, based on Instagram
- Implemented SQL queries that store, update, and gather info from database which is updated live through AWS
- Designed website with CSS emulate the appearance and user-friendly interface of Instagram.

Stock Market Simulation

- Developed a C++ simulation that identifies ideal times to purchase and sell a stock
- Used priority queues and processed simulations of over 100,000 orders in under 1 second

Technical Skills: Gen AI, Python, C++, Java, ROS, JavaScript, React, SQL, Flask, HTML/CSS, AWS, R, ML, TensorFlow, Networks, Git, API, OOP, Robotics, Embedded Systems, Jira, Full Stack Dev, Shopify, Docker, Big Data Analytics