

Aayush Jannumahanti

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EDUCATION

- **Master of Science - Computer Science**
The University Of Maryland Baltimore County GPA: 3.5 *August 2022 - May 2024*
- **Bachelor of Technology - Information Technology**
SRM Institute Of Science And Technology GPA: 3.0 *July 2016 - June 2020*

SKILLS SUMMARY

- **Languages:** C++, JAVA, C, Python, HTML/CSS, JavaScript, SQL
- **Frameworks:** Spring MVC, JUnit, Hibernate, Scikit, Numpy, ReactJS, NodeJS, MERN, LAMP
- **Industry:** Automated/Integration Testing, Sprint Planning, CI/CD, Version Control, System Design, Code Reviews
- **Tools:** Oracle, PL/SQL, MySQL, MongoDB, CRUD Databases, RESTful APIs, Jenkins, CircleCI, Fastlane, Buildkite, Gradle, Maven, Git
- **Technologies:** Atlassian Suite - JIRA, JIRA Portfolio, Bitbucket, Confluence; Agile Frameworks - SCRUM, Kanban, XP, Kafka, Avro, SVN, User Stories, ATDD, TDD
- **Methodologies:** Agile Development and Best Practices, Software Development Life Cycle (SDLC), SOLID Principles, OOD, Proof-of-Concept (PoC) Development
- **Platforms:** Linux, Web, Visual Studio Code, Windows, Arduino, Mac, AWS, GCP, XCode, Azure, Kubernetes, Docker

EXPERIENCE

- **Google Summer of Code 2023**
GSoC'23 @ Red Hen Labs *May 2023 - August 2023*
 - **Red Hen Labs - Red Hen Audio Tagger:** The Red Hen Audio Tagger project aims to develop a new model that can detect tags with more accuracy and include tags that are more relevant for Red Hen use cases. The project will also explore the possibility of fine-tuning any preexisting model for better performance.
- **APPLE INC.**
Software Engineer (GIS) (Contractor to Apple Inc) (Full-time, India) *August 2020 - August 2022*
 - **Apple Maps Software Development:** Part of Apple Maps Product Software Development, Involved in CI/CD for markets like the Americas (USA, Canada) and the rest of the world countries. Worked on the development of various build regions of Apple Maps Software to meet business delivery expectations with a team of 200-plus members
 - **Subject Matter Expert:** Served as SME for my team of 20+ employees, Interacted with QA, SVC (Sunnyvale Communications team), Specifications team, and Inventory team, organized workflows of the process for business purposes, and reported the status to Program Managers on the onshore team
- **Algoshelf**
Data Science Intern (Part-time, Remote) *Dec 2018 - Feb 2019*
 - **Research Paper - Publication - Slides - Improvised on Symbolic Aggregate Approximate Algorithm:** Authored a research paper exclusively for detecting anomalies in time series data sets using already existing Symbolic Aggregate Approximate on IoT sensor-based data sets
- **Fanlytiks**
Machine Learning Intern (Part-time, Bangalore, India) *June 2018 - July 2018*
 - **Twitter Sentiment Analysis Software Development:** With a team of 10 contributed to building a Twitter Sentiment Analysis model using Long Short Term Memory Network (LSTM) architecture. Third-party vendors gave the data and we wrote a python script to extract data using JSON files
 - **Application:** This application project was used to analyze fan's sentiments during ongoing cricket matches. This was an Add-On feature in their business service. Tech stack: BeautifulSoup, Tweepy, Tensorflow, Numpy & GCP

PROJECTS

- **1. Hand Written Recognition System using Neural Networks and Guided Inputs (Machine Learning, Computer Vision):** Made a handwritten text recognition system to recognize doctor's prescription
- **Multi-Model Architecture:** Used Convolution Neural Network (CNN), Long Short Term Neural Network (LSTM), and Connectionist Temporal Classification (CTC) loss. Tech: Python, OpenCV, TensorFlow, Numpy, & Google Cloud Platform Research Paper-Project Report
- **2. College Management Application System (Software Development):** Built a College Management Application System. Creates Login ID & Password, after which they can create, upload, download, or modify the database. Tech: HTML, JavaScript, PHP, MySQL, & XAMPP
- **3. Deep Crypto Predict (Software Development):** Using the data for crypto-currency market analysis, built an LSTM Neural Network model which will use previous data of bitcoin and Ethereum prices to predict the next day's prices. Tech: Python, Numpy & Pandas