Manikanta Reddy **Nayini**

· Software Engineer ·

Redmond, WA

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Education

Masters in Computer Science
GPA: 3.56

California State University, Fullerton
Jan 2020 - Jan 2022

Bachelors in Computer Science and Engineering
GPA: 3.8

Jawaharlal Nehru Technological University Hyderabad, India
July 2015 - June 2019

Course Work

- Database Management, Machine Learning, Advanced Algorithm Design, Operating Systems, Compiler Design, Computer Networking, Object Oriented Programming, Unix and Shell Programming.

Experience

Axon
Seattle, WA

Software Engineer 1
Feb 2022 - present

- Designed and implemented a correlation Id system, that generates an UUID during electron app start in the main process, which is used to keep track of an entire user session by passing the Id from electron main process to renderer process and shared worker.
- Implemented a metric system to gauge the performance of the app by analyzing app reloads, app starts, and app errors.
- Implemented a tool which helps in keeping track of how many requests are being stalled for a user during a hotswap process.
- Implemented dashboards and alerts in grafana and splunk to monitor the performance of the app.

Projects

EC2 Instance Manage Console

- Developed a tool that helps user to extract region specific EC2 instances information of an AWS account.
- The tool also alerts the user if there is any new instance created or if any additional resource is added between any two dates.
- The tool was written in Python and made use of Boto3 API and Pandas framework.

Text Search Engine

- Built a search engine using which a user can search for a text in hundreds of e-books.
- The books are stored in elastic-search by indexing each book which are scraped through by building a scraper.
- Developed a user interface for user to perform search using the tool.

Movie Recommendation System

- Built a movie recommendation system using IMDB and Wikipedia movie plot summaries.
- The system recommends a movie to the user by applying KMeans clustering method to find the cosine similarity. Cosine similarity is found by tokenizing and stemming each movie summary.
- Python Anaconda is used in the Jupyter notebook for developing the project.

Skills

Programming	Java, Python, C, TypeScript
Libraries and Frameworks	ReactJS, Spring Boot
Databases	MySql, Postgres
Operating Systems	Linux, Windows, macOS
Tools and Technologies	VS code, IntelliJ, Docker, Splunk, Grafana, Git