Akhila Sulgante

+1(628) 276-3832| asulgante39@gmail.com | [Linkedin](#) | [Github](#) | [Portfolio](#) | San Francisco, CA

Efficient and self-motivated Software developer with 3 years of industrial experience in microservices, application developmentand its life cycle.

Education

Northeastern University, San Francisco   *Jan '22 – Dec '23(expected)*
Master's in computer science, 3.9/4.0

Dr. Ambedkar Institute of Technology, India   *Aug '13 – June '17*
Bachelor's in computer science

Work Experience

Summer Analyst | Goldman Sachs, Japan   *July '23 – Sept '23*
Domain: Asset and Wealth Management, Client Reporting Platform
- Built an enhanced retry mechanism using Java and spring for a report delivery system that saved 365.4 hours of retry time (30 days) and 87% reduction in Flink calls by eliminating repeated data pipeline calls
- Preformed extensive Unit, Integration, System, Stress and Regression testing on the developed feature

Teaching Assistant | Northeastern University, US   *May '22 – May '23*
Subjects: Algorithm, Intensive foundations of Computer Science
- Assisted students in an in-depth understanding of algorithms through logical derivation and mathematical proof
- Conducted a graduate class and taught align students to code from scratch in Python and Pico programming

Account Specialist | Amazon, India   *May '20 – Dec '21*
Domain: Amazon Advertising, Japan Marketplace
- Developed ad campaign strategies for 120+ brands and increased product visibility by 40% over a year
- Analyzed Voice of Customer (VoC) data using Tableau and developed a streamlined process to reduce customer query resolution time from 5 to 2 business days

Assistant Application Developer | Fujitsu, India   *Dec '17 – Mar '20*
Project: JA Kyousai, Zenkyoren Apps Rebuild
- Designed efficient Algorithms and developed components in Java and tested them with JUnit
- Drafted specification documents in Japanese based on Client requirements
- Fixed issues during the Integration Testing phase before the allotted time to reduce phase time by 30%
- Conducted review on modules developed by the team and analyzed quality performance on a bi-weekly basis

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Key Projects

Peko - A food ordering website   N*ov '22 – Dec '22*
- Deployed a **MERN**-stack food delivery app following **agile** practices and performed unit and system tests
- Conducted **usability study** on 1st phase and followed design principles to increase user experience
- Identified potential accessibility issues and followed **POUR** principles to improve the website's accessibility
- Incorporated filtering options to ease the ordering process and implemented **CRUD** operations in **MongoDB**

Hate Speech Detection   *Jul '22 – Aug '22*
- Built **Shallow and Deep learning models** to detect hate and offensive speech on Davidson's Twitter dataset
- Preprocessed the dataset using **NLTK library** functions to improve model accuracy by 15%
- Developed multi-model consisting of **CNN and MLP** with **TF-IDF word embedding** and **regression classified**

Technical Skills

Domain Knowledge: Machine Learning, Natural Language Processing, Software Development, Web Development, Data Visualization, DBMS, Microservices, Data Structure, Algorithms, System design
Programming Languages: Java, Python, C, C++, JavaScript, R
Web Development: HTML, CSS, React, Node.js, Express.js
Database: MySQL, MongoDB, ElasticSearch
Testing: JUnit, Cypress, JMeter