Sai Harsha Kotha

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EDUCATION

M.S., Computer Engineering	August'22- May'24
San Jose State University, San Jose, CA	**GPA**: 3.8/4.00
Bachelor of Technology, Electronics and Communication Engineering	August'17- July'21
CVR College Of Engineering, Hyderabad, India	**GPA**: 3.82/4.00

RELATED COURSEWORK

Programming in Java, C/C++, Python, Data Structures and Algorithms, Database Management System, Object-Oriented Programming, Data mining, Operating Systems, Machine learning, Software Quality Assurance and Testing.

TECHNICAL SKILLS

Languages	Java, Python, JavaScript, C/C++, Apex, SQL, SOQL.
Databases	MySQL, Oracle, MongoDB, InfluxDB, Redis, Elasticsearch.
Framework & Libraries	React, NodeJS, Spring, Spring Boot, Flask, Angular.
Networking	REST API, SOAP API, Tomcat, HTTP.
Tools	Salesforce, MATLAB, AWS, GIT, New relic, Splunk, Jira, Mavan, Kafka, Robot, Jenkins, Docker, Kubernetes, GCP.
Operating Systems	Linux, IOS, Windows.

WORK EXPERIENCE

Application development Analyst, Accenture, Hyderabad, India, July'21 – June'22

- Developed Apex classes, VisualForce pages, and Lightning web components for seamless user interfaces.
- Demonstrated expertise in various databases, including MySQL, Oracle, MongoDB, InfluxDB, Redis, and Elasticsearch, ensuring efficient data management and analysis.
- Proficient in frameworks and libraries such as React, NodeJS, Spring, Spring Boot, and Flask, enabling the development of dynamic and scalable applications tailored to specific requirements.
- Skilled in tools: Git, Jira, Jenkins, Docker, Kubernetes, for streamlined workflows and collaboration.
- Delegated REST and SOAP API integration tasks for efficient system communication.
- Conducted in-depth analysis of preexisting codes and built comprehensive test classes to achieve the required code coverage percentage, ensuring robust and reliable applications.
- Analyzed codes, built test classes, and resolved 45+ user stories in 6 months.
- Collaborated across teams, documented incidents, and implemented preventive measures for efficient problem resolution and project management.

PROJECTS

"**JobEasy**", San Jose State University, Mar 2024
- Designed and developed a data-driven job matching system that aligns an individual's personality traits with job openings.
- Developed a responsive **TypeScript** front-end, paired with a high-performance **Flask** back-end, and efficiently managed data using **PostgreSQL**.
- Employed spaCy for Natural Language Processing (NLP), enabling accurate extraction of character traits from resumes and job descriptions.
- Presented matched job openings in order of best fit, optimizing user job search efficiency and success.

"**DevConnector**", Jan 2023
- Built a full-stack social network app using Node.js, Express, React, Redux, and MongoDB.
- Developed an extensive backend API with JSON Web Tokens for route protection.
- Integrated React with the backend for a seamless workflow, using Redux for state management, and deployed the app to Heroku with modern practices.

"**US Police Shootings Analysis**", San Jose State University, Oct 2022
- Analyzed an already existing dataset from an opensource and performed Data preprocessing using Python, NumPy, pandas.
- Performed predictive analysis through techniques such as linear regression and ARIMA modeling, enabling accurate forecasting of trends and informed decision-making.

"**Student Browsing Application**", Mar 2022
- Developed an application, can be operated by students, employees and included features such as fee due, mailing city, address, subjects enrolled using Apex, SQL, JavaScript, HTML, CSS.
- Implemented project on Visual studio code and developed Lightning web pages.
- Deployed on salesforce dev account to test functionality of application.

CERTIFICATIONS

- Salesforce Administrator certificate - Trailblazer
- Salesforce Platform Developer - Trailblazer