Sai Vennela Garikapati

San Jose, CA | +1(408) 691-9058 | saivenenla.garikapati@sjsu.edu | https://linkedin.com/in/gsaivennela7

EDUCATION
Master of Science, Computer Engineering, GPA: 3.75   Jan 2022 - Dec 2023
San Jose State University, San Jose, California

Bachelor of Technology, Information Technology, GPA: 8.9   Sep 2014 - May 2018
VR Siddhartha Engineering College, Andhra Pradesh, India

TECHNICAL SKILLS
Programming Languages   Java, Python (Pandas, NumPy), C.
Web Technologies   HTML, CSS, JavaScript, React JS.
Framework   Spring MVC, Spring Batch, Spring Boot, Express.
Application/Tools   IntelliJ, Eclipse, PyCharm, OpenShift, Git.
Query Language   PL/SQL, MySQL, MongoDB.

PROFESSIONAL EXPERIENCE
Systems Engineer, Tata Consultancy Services, Hyderabad, India   Jun 2018 - Dec 2021

Proximus, Hyderabad, India   Jun 2019 - Dec 2021
- Analyzed legacy system and created an efficient application for order processing, utilized the Spring Batch framework, and helped reduce processing time by 50%.
- Developed and invoked REST and SOAP services to interact with other applications. These services pass order information and generate invoices, based on the internet and call usage of customers.
- Improved retrieval time of orders, by designing a web application using Spring Boot framework, for the support team.
- Detected issues in the existing system by developing a tool for inspecting data quality using Spring Boot.
- Engaged in collaborative interactions with a team of 10 and closely worked with Analysts and Architects. Contributed during architectural meetings and gained knowledge and expertise in the Telecom domain.

PG&E, Kolkata, India   Sep 2018 - May 2019
- Evaluated the need for a resource tracking dashboard and initiated an idea for developing an application for management to track 30+ employees' leaves and future assignments.
- Architected design and development of dashboard and took responsibility for optimizing efficiency by more than 15%.

PROJECT EXPERIENCE
TravelSphere   Jun 2023 - Sep 2023
- Implemented a hotel booking application with MERN stack, allowing users to search for hotels, view details, and make bookings. Implemented responsive design, and accessibility features in 3 months.
- Coordinated with a team of 4 and constructed backend RESTful APIs for hotel search, booking, review, user authentication, and authorization. Integrated third-party services such as Stripe API for payment processing.

Happi-Bus Management System   Jan 2023 - May 2023
- Created a user-friendly mobile application leveraging Spring boot and react-native allowing users to search for buses, view details, and make bookings to destination.
- Collaborated with a team of 3 and devised a facial verification system to ensure the authenticity of passengers.

Customer Personality Analysis   Jan 2022 - May 2022
- Grouped 5k+ customers based on spending and income leveraging preprocessing techniques. Identified important features and impact on the purchase of products.
- Applied K-Means clustering algorithm for grouping customers based on income and expenditure. Additionally, performed the Q-Means algorithm to cluster data using "QcWare" CPU and GPU simulators.

ACHIEVEMENTS
- Awarded a Special Initiative award by TCS for developing an application that increased the processing speed of customer orders and delivering a new tool for the Billing Team.

RESEARCH PUBLICATIONS
- Presented a paper "Performance Analysis of Cryptographic Algorithms for Cloud Security" in ICICCT (2018), published in IEEE.