SARAT KUMAR KANITI

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EDUCATION

San Jose State University, CA   **May 2023**
Master of Science in Computer Software Engineering   GPA: 4.00/4.00
Relevant Courses: Data Structures and Algorithms, Operating Systems, DBMS and
Enterprise Software Platforms.

GMR Institute of Technology, India   **May 2016**
Bachelor of Technology in Electronics and Communication Engineering   GPA: 3.68/4.00

WORK EXPERIENCE

Software Engineer at Tata Consultancy Services   **Jan 2017 – July 2021**
- Developed web applications in IVR application team for banking customers using ReactJs and axios to send http requests to backend microservices to facilitate customers with smoother digital banking experience.
- Created "user login" and "profile" microservices using spring boot and implemented REST APIs to connect frontend web applications with these microservices and data persistence is achieved with MySQL database.
- Enhanced existing applications with new functionalities as per growing business requirements.
- Followed AGILE methodology principles to ease the workflow and increase the transparency of the project development.

Software Engineer Trainee Tata Consultancy Services   **July 2016 – Dec 2016**
- Developed an Online Flight management system with ASP.net framework and MySQL as backend database. Functionalities include user authentication and CRUD operations on database.

ACADEMIC PROJECTS

CalState Insurance –JavaScript, React js, Node js, MySQL:
- Developed a web application to enable customers to purchase insurance policies at one place.
- Coded front-end web application using Reactjs and backend APIs are created in Nodejs.
- Implemented SQL transactions for user payments and user registration functionalities to achieve atomicity.
- Used git version control and GitHub to collaborate among team and maintain shared codebase and tested API functionality utilising Postman tool.

Uber Eats Clone –Nodejs, Express JS, React JS, MySQL, MongoDB, JMeter, Mocha:
- Created a portal for two personas, for customers to search for restaurants, add the food items to cart, place the order and track the status of the order and for restaurants to view the orders received, add items to their menu and update the status of the order. Finally, deployed the application on AWS.
- Demonstrated concurrency and working of an application using Mocha and JMeter for asynchronous testing.
- Developed the application in three phases. Phase 1: ReactJS, ExpressJS, NodeJS, MySQL. Phase 2: ReactJS, Redux, Thunk, NodeJS, MongoDB, Kafka, JWT, Passport. Phase 3: ReactJS, NodeJS, GraphQL, MongoDB.

House Price Prediction Model – Python, Flask, React js:
- Built an intuitive front-end dashboard using React and Reactjs charts. Material UI components were utilized to create a better user interface.
- Implemented backend using Flask and predictions were made based on previous 15 years dataset from Zillow and ARIMA time-series is utilized for the house price predictions.

TECHNICAL SKILLS

Languages:	Java, C++, SQL, JavaScript, HTML/CSS, Bootstrap
Frameworks:	React js, Node.js, Spring boot
Developer Tools:	Git, Docker, Kafka MQ, AWS EC2, Postman
Libraries:	Express.js, Axios, ReactJs charts