

SURAKSHITHA SURESH

E-mail : ssuresh9197@sdsu.edu

Full Stack Developer

Github : [surakshitha-suresh](#)

Phone : 6198444355

Linkedin : [surakshitha-suresh](#)

EDUCATION

- **Master's Degree in Computer Science - San Diego State University, California, USA - May 2023**
- **Bachelor's Degree in Information Science - JSSATE, Bengaluru, India - June 2018**

3.7/4 GPA

First class with Distinction

TECHNICAL SKILLS

Front-end technologies	: JavaScript/ES6, JQuery, TypeScript, Angular, React.js, Redux, HTML5, CSS
Back-end technologies	: Java, Python, Node.js, PHP, AWS
Database technologies	: MS SQL, MySQL, PostgreSQL, MongoDB
Testing	: Selenium, JMeter, React testing libraries, Jest, Enzyme, Cypress
Tools/Others	: Git, JIRA, Confluence, LucidChart, CircleCI, KeyCloak, Froala, IBM Watson

WORK EXPERIENCE

Graduate Teaching Assistant, San Diego State University - CSE Department

Aug 2021 - present

- Assisted instruction of courses Programming Languages, Design of Algorithms and Database Theory at SDSU.
- Duties: Conduct lab sessions, conduct exam review sessions, grade & proctor exams, guide students on academic projects.

Full Stack Web Developer Summer Intern , Xplicit Computing, Inc , Santa Clarita ,USA

June 2022 - Aug 2022

- Played a key role in growth of the company by building their first-ever website establishing the company's digital presence.
- Developed responsive and user-friendly pages using Javascript, PHP and MySQL. Optimized user sign-up and login webpage improving user engagement. Decreased the number of customer demo requests with detailed product web pages saving an estimated time of 6 hours per week.
- Integrated Stripe payment gateway to simplify online payments that resulted in a 25% increase in sales conversion rates.

Graduate Assistant, San Diego State University - SDSU Fowler College of Business

Aug 2021 - Jan 2023

- Assisted Dr.Parisa Faridian in quantitative research focused on studying entrepreneurial orientation and social relationships of Github communities. Web scraped and mined datasets(approx 200k records) using Python scripts. Further visualized using Matplotlib and Seaborn. Statistical analysis of actionable insights using IBM SPSS.

Full Stack Developer, Cognizant Technology Solutions Pvt. Ltd, India

Aug 2018 – Jul 2021

Healthcare Project: Clinical Document Accelerator Clients: Bayer, SickKids

- Architected RESTful APIs and reusable React components for multi-module management of clinical lab roles. Single-handedly delivered proof of concepts for research and incorporation of new features.
- Conceptualized and developed a custom export feature enabling clients more control over application using simple JSON boosting product subscriptions with **100%** satisfaction in client surveys. Received recognition and accolades from leadership and clients.
- Implemented test driven development and led a team to increase test coverage by **85%** with Jest, Enzyme and React testing library.
- Automated testing as SDET. Implemented OpenIDC/OAuth with multiple providers using Keycloak SSO. Pipelined CI/CD and custom configured dynamic Slack Orb templates to promote deployments reducing manual efforts by **80%**.
- Troubleshoot, analyzed and successfully handled escalations as a Level 3 support engineer.
- Mentored entry-level trainees & junior project engineers through peer programming and knowledge sharing sessions.

Retail Project: Intelligent Fitting room in National Retail Federation Expo 2019 under Future of Fashion

- Architected and integrated virtual trial-room assistant with a full-length smart mirror to provide concierge-like experience illustrating live try-on of retail products as part of artificial intelligence driven sales solutions.
- Provided hyper-personalized product recommendations based on user's preferences and patterns by integrating Watson assistant with user's Facebook account.

TECHNICAL PROJECTS

Rental House Price Analysis and Prediction, San Diego State University, California

- Spark application to analyze housing rental prices for regions between San Francisco and San Diego considering amenities as variables describing the property. Used ML algorithms to predict rents and comparatively analyze model performances. Accuracy ~85%

Simple Inventory Management System, San Diego State University, California

- MERN application to create and manage inventories. Scaled using NoSQL MongoDB with Mongoose ODM for data persistence. Implemented async/await and promises to maintain the application flow. Built session management and validation using Express and JWT tokens and used GraphQL for API integration.

Car Rental system - Go Cars, San Diego State University, California

- Built a web application using PHP and MySQL with complete functionality for car listing and rental bookings.

Automatic Number Plate Recognition for School, JSSATE, Bengaluru, India

- Built Python neural network model using deep learning to surveil on-campus vehicular traffic. Implemented billing system for visitor parking by distinguishing permitted(students & staff) from non-permitted vehicles. Accuracy ~78%.