

## PRUDHVI MOKRALA

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### EDUCATION

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**M.S, Computer Software Engineering**  
San Jose State University, San Jose, CA

May 2024

**B.Tech, Computer Science**  
Sreenidhi Institute of Science and Technology, Hyderabad, India

May 2020

### PROFESSIONAL EXPERIENCE

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**Associate Software Engineer**, Abjayan.Inc , Hyderabad, India

Oct 2020 - Jun 2022

- Spearheaded front-end development for a large-scale website, optimizing cross-browser and multi-platform compatibility leveraging **JavaScript, Angular JS, TypeScript, Junit, MySQL, jQuery, RESTful APIs**, and **Spring Boot**. Enabled 1 million users to efficiently book appointments, resulting in an **80%** increase in efficiency.
- Facilitated the seamless deployment of Avance website by orchestrating continuous integration and continuous deployment (CI/CD) pipelines using **Jenkins, Docker, and Kubernetes**.
- Implemented an **AJAX, jQuery, PHP, HTML5, CSS**-based Forms Engine Application integrated with Carin, reducing patients' effort by **80%**.

**Software Developer Intern**, Edwisely, Hyderabad, India

Jul 2020 - Sep 2020

- Led development of Edwisely Placement Accelerator application using **Flutter, Tailwind CSS**, and **AWS**. Achieved a remarkable **50%** boost in company revenue and impressed stakeholders with comprehensive implementation.
- Established the Edwisely blog on Medium, driving a **200%** increase in search-engine traffic.
- Played a key role in developing domain expertise for upcoming projects and performed **SEO strategies**, resulting in an **80%** increase in visibility and **search-engine rankings**.

### PROJECTS

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**Airport Management System** (React JS, Node JS, AWS RDS, SQL, EC2)

[Github](#)

- Developed a robust full-stack application for Airport Management System operating the MERN stack (**MongoDB, Express.js, React JS, Node.js**) to handle various functionalities such as flight arrivals, departures, gate assignments, baggage carousel management, and different user profiles (Airport Employee, Airline Employee, Customer).
- Hosted application and database on the **AWS** cloud servers with **MongoDB** replica sets clusters and handled fault tolerance for **AWS EC2** instances during partition of database servers and effective load balancing operating **AWS ELB**.

**Twitter User's Impression** (Python, Pandas, NumPy, Matplotlib, Scikit-learn)

[Github](#)

- Utilized Python and various data analysis libraries such as **Pandas, NumPy**, and **Matplotlib** to perform advanced algorithms including logistic regression, decision tree, random forest classifier, and ridge classifier on tweet data.
- Analysed and compared metadata relationships, such as topics and stances, to gain valuable insights into user impressions, resulting in a **25%** increase in user engagement and a **15%** boost in overall user satisfaction.

**Security Robot** (React JS, Node.js, Redux, MongoDB, AWS Robomaker, Docker)

[Github](#)

- Created an **AWS Robemaker** application using **Docker** and hosted it on **AWS** Elastic container Registry (**ECR**).
- Utilized **AWS** infrastructure and configured load balancers to handle high throughput.

### TECHNICAL SKILLS

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**Programming Languages:** Java, Python, C, C++.

**Frameworks & Libraries:** Angular, React, NodeJS, Bootstrap.

**Databases:** MySQL, SQL Server, MongoDB.

**Web Technologies:** JavaScript, Typescript, ES6, Ajax, JSON, jQuery, HTML5, CSS3, Graph QL, JSP, Sass, Redux.

**Enterprise Tools:** Git, Jira, Postman, Google Data Studio, Google Analytics, Jenkins, Kubernetes, Kafka, Docker, Redis.

**Relevant Courses:** Distributed Systems, Data Structures and Algorithms, Databases, Computer Networks.