

## Chandana Ganasala

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### SKILLS

**Programming Languages:** Java, C, Python, JavaScript, SQL, No SQL, MYSQL, HTML5, CSS3

**Frameworks:** Spring boot, Spring, NextJS, NodeJS, ReactJS, NodeJS, Angular, Maven, PostgreSQL, MongoDB, TailWind CSS

**Miscellaneous:** Salesforce, Robotic Process Automation, Docker, AWS, Git, REST, SOAP, Microservices, Version Control, Design Patterns, Visual Studio Code, web development, Data Structures and Algorithms, OAuth, JWT, CI/CD, Postman, Jira, GraphQL, Kafka

### PROFESSIONAL EXPERIENCE / WORK HISTORY

#### Software Developer, ZenSpaceIT LLC, Charlotte, North Carolina

Sep 2024 - Present

- Designed and implemented scalable microservices architecture using **Java**, **Spring Boot**, and **PostgreSQL**.
- Developed and optimized **RESTful APIs** and **GraphQL** endpoints for high-performance data retrieval.
- Created dynamic, responsive user interfaces using **ReactJS** and **Tailwind CSS**.
- Enhanced web accessibility by implementing WCAG-compliant design elements.
- Automated **CI/CD** pipelines using **GitHub Actions & Docker**, reducing deployment time by 40%.

#### Teaching Assistant, California State University, Fresno

Aug 2023 - May 2024

- Guided students in UI design concepts and responsive web development techniques.
- Assisted in projects focused on front-end frameworks and web accessibility standards.

#### Program Analyst, Cognizant Technology Services, India

Sep 2021 - Aug 2022

- Developed and deployed full-stack web applications by integrating a **React-based frontend** with a **Spring Boot backend**, ensuring seamless communication through **RESTful APIs**.
- Designed and implemented secure authentication and authorization using **Spring Security OAuth 2.0** and **JWT**, enforcing robust access control.
- Built dynamic, responsive user interfaces with **React**, **HTML5**, **CSS3**, and **JavaScript**, optimizing performance and user experience.
- Utilized **Java 8** features, including **Lambda expressions** and **Streams API**, to enhance functional programming efficiency, optimizing data processing tasks.
- Conducted **Root Cause Analysis (RCA)** to diagnose and resolve critical application issues, improving stability through targeted code optimizations.
- Optimized data access and retrieval by interfacing **RootDB** with **PostgreSQL**, enhancing database performance and operational insights.
- Implemented Docker-based containerization, authoring Dockerfiles and managing container deployments to streamline **CI/CD** pipelines and ensure scalability across environments.

#### Intern, Cognizant Technology Services, India

Feb 2021 - Jul 2021

- Developed a full-stack web application with an emphasis on responsive front-end features using **ReactJS**.
- Created reusable components to standardize the user interface across the application.
- Leveraged **AWS** services to deploy scalable solutions, including **S3** buckets and **EC2** instances.

#### Student Intern, ECIL, India

May 2019 - Oct 2019

- Designed a mobile-friendly interface for farmers to predict suitable crops based on weather conditions.
- Implemented responsive design principles to ensure usability across devices.

### PROJECTS

#### Sentiment Analysis on Google Gemini LLM, Naive Bayes, Neural Network, and Logistic Regression

Mar 2024 - May 2024

- Performed **Sentiment analysis** initiative using the IMDB 50,000 dataset, showcasing deep learning and statistical analysis expertise.
- Utilized **Google Gemini LLM** API to achieve a high accuracy rate of 95% on a sample of 1,000 reviews.
- Demonstrated versatility by applying Naïve Bayes, Neural Networks, and Logistic Regression algorithms, securing accuracies between 84% to 87% on samples ranging from 2,500 to 5,000 reviews.
- Highlighted the efficiency of **LLM** in precision tasks, despite its computational intensity, underscoring the potential for AI innovation.

#### Fresno State Portal

Oct 2022 - Dec 2022

- Improved Campus Map Systems by Introducing Real-Time Pointers in the maps using **Adobe XD**, where the user can use the maps more efficiently [Customized design for the students based upon their class schedule].
- Improved class search to be enrolled into and permission numbers to enroll for those classes by providing list of available classes and vacancies for the ongoing semester and the requisition for permission numbers. This enables the user accessibility as switching between the emails and the admission portal is reduced.

#### Audit Management System

Jan 2020 - Jun 2020

- Built a full-stack web application using **Java**, **Spring Boot**, and **PostgreSQL** for internal audits.
- Designed role-based authentication with **JWT**, ensuring secure access to audit records.
- Deployed on **AWS (S3, EC2, RDS)** using Docker for scalable infrastructure: [Git link](#).

### EDUCATION

#### Masters, Computer Science

California State University, Fresno

Aug 2022 - May 2024

#### Bachelors, Computer Science

Koneru Lakshmaiah Educational Foundation

Jul 2017 - Apr 2021

### CERTIFICATIONS

- Aws Solution Architect (Credential ID 2072489)
- Salesforce Admin Certification (Credential ID 21456651)
- Cisco Certified Network Associate Industrial (CCNA I)

- Advanced Robotic Process Automation Professional (AAADVC-20024488)
- Wipro Digital Skills Readiness Program