MOHANA RAO KANAPAKALA

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CAREER OBJECTIVE

To secure a challenging position in a reputable organization where I can utilize my skills, gain experience, and contribute to the company's growth while continue to develop professionally.

EDUCATION

Miracle Educational Society Group of Institutions — *2021-2025*
B. Tech in Computer Science and Engineering — *CGPA: 7.95*

AP Model School and Junior College — *2019-2021*
Board of Intermediate Education, Andhra Pradesh — *Percentage: 91.5%*

Govt High School — *2019*
Board of Secondary Education, Andhra Pradesh — *GPA: 9.5*

INTERNSHIP EXPERIENCE

EXCELR — Cloud Computing Intern — May–June 2024
- Gained hands-on experience with cloud technologies and services.
- Worked on deploying, managing, and optimizing AWS cloud solutions.

PERSONAL PROJECTS

Intelligent Quantum Algorithm Designer (IQAD)

- Developed IQAD, an AI-based system for automated quantum algorithm selection.

  Used NLP and Neural Networks to map user problems to suitable quantum algorithms.

- Built a custom quantum simulator to execute algorithms without external tools.

Portfolio Website (React)

- Created a React-based portfolio showcasing skills and projects with a clean, responsive UI.

- Implemented reusable components and deployed the site on GitHub Pages.

FoodiePlace (React, Redux)

- Developed a food ordering web app using React for dynamic UI and Redux for state management.

- Implemented real-time cart management and user authentication to enhance user experience.

Employee Management System (React, REST APIs)

- Developed a React-based user interface for managing employee data.

- Implemented CRUD operations (Create, Read, Update, Delete) using REST APIs.

Currency Conversion System (Microservices Architecture)

- Built using two independent REST services — currency-exchange-service and currency-conversion-service — communicating through FeignClient.

- Implemented API Gateway, Eureka Server, Config Server, Actuator, Fault Tolerance (Resilience4J), Spring Admin Server, and Zipkin for distributed tracing and monitoring.

- Stored exchange values in a database and used Redis for caching to improve performance and reduce API latency.

TECHNICAL SKILLS AND INTERESTS

Programming & Backend: Java, Spring Boot, Spring Cloud, Microservices
Frontend: HTML, CSS, Bootstrap, JavaScript, React.js
Cloud & Databases: AWS, MySQL, Oracle, Redis
Tools: Git, GitHub, Postman, Swagger
Soft Skills: Problem-Solving, Time Management, Quick Learner
Languages: English, Telugu

ACHIEVEMENTS

- Certified in Java Full Stack through SkillDzire   *Dec 2024–Mar 2025*
- Certified in Cloud Computing through ExcelR EdTech Pvt. Ltd.   *May–June 2024*

DECLARATION

I hereby declare that all the information provided above is true and correct to the best of my knowledge and belief.

Signature: (_K. Mohana Rao_**)**