

# RUPAK NALLA

Hyderabad, TS, India | +91-9154048555 | rupaknalla1034@gmail.com | linkedin.com/in/rupaknalla

## SUMMARY

Software Engineer with experience building scalable web applications across frontend, backend, and full-stack environments. Proficient in React, Vue.js, Node.js, and Python with knowledge of Agile methodologies, RESTful API design, and cloud technologies. Eager to contribute to innovative financial technology solutions.

## EDUCATION

<b>Indian Institute of Technology, Madras</b> B.Sc in Data Science and Applications	2022 – Present Chennai, TN, India
<b>JNTUH College of Engineering, Manthani</b> B.Tech in Computer Science and Engineering	2021 – 2025 Manthani, TS, India

## CORE COMPETENCIES

- **Languages:** Python, JavaScript (ES6+), C++, SQL, HTML5, CSS3
- **Frameworks & Tools:** React, Vue.js, Node.js, Express.js, Flask, FastAPI
- **Databases & Cloud:** MongoDB, MySQL, Redis, SQLite, Google Cloud Platform
- **Skills:** RESTful API Design, Agile/Scrum, OOP, Git, Generative AI, Performance Optimization

## TECHNICAL PROJECTS

### Candidate Filtering System *Python, FastAPI, VoyageAI, MongoDB*

- Developed scalable AI-powered filtering engine with asynchronous programming, reducing search latency by 40%
- Leveraged **Generative AI** embeddings (VoyageAI) for semantic search, improving retrieval accuracy by 30%
- Applied **Agile principles** during rapid prototyping and collaborated with cross-functional teams

### Supply Chain Management System *Python, JavaScript, React.js, Flask, SQLite*

- Built **scalable, responsive web applications** using React.js and modern React Hooks following best practices
- Designed and implemented **RESTful API** architecture with Flask, managing full development lifecycle
- Improved operational efficiency by 25% through centralized platform and streamlined collaboration

### Library Management System *Vue.js, Node.js, Flask, Redis, SQLite*

- Developed **full-stack application** with Vue.js frontend and Flask backend for 100+ concurrent users
- Optimized performance by 35% using Redis caching and implemented secure JWT authentication
- Applied **OOP principles** and collaborated in Agile/Scrum environment with code reviews

## ACHIEVEMENTS

- Secured 987th rank in TCS CodeVita Round 2; solved 200+ LeetCode problems with 50-Day Badge (2024, 2025)
- Technical Coordinator for AVINYA 2024 college fest, leading event organization and cross-functional teams

## CERTIFICATIONS

Web Development (HTML & CSS), Software Engineering and Agile Development |