

Revanth Guthula

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Summary

Full Stack Developer and Final-year B.Tech student in Artificial Intelligence & Data Science. Skilled in building scalable, production-ready web applications using React, Next.js, Node.js, Express, and PostgreSQL. Experienced in REST APIs, authentication, database design, and cloud deployment. Strong foundations in C++, Python, and System design.

Work Experience

Ghar Ka Khana, Mumbai

Jul 2025 – Present

Software Developer Intern

- Built a distributed, fault-tolerant restaurant ordering platform using Next.js, React, and Supabase, supporting thousands of concurrent users.
- Integrated authentication with Supabase & Twilio OTP, implemented role-based authorization, and optimized queries, reducing response times by 30%.
- Deployed APIs and frontend on AWS with Docker, ensuring high availability, scalability, and secure cloud infrastructure.
- **Tech stack:** Next.js, React, TypeScript, Supabase, Twilio, AWS, Docker, GitHub Actions

Student Hub, Hyderabad

Feb 2025 – Jul 2025

Full Stack Developer Intern

- Developed a full-stack mock test platform using Next.js, React, Supabase, and PostgreSQL, enabling Inter students to practice competitive exams (e.g., JEE) with real-time test-taking and automated result generation.
- Implemented secure authentication, role-based access, and interactive test features (timers, question navigation, auto-submission) with detailed analytics dashboards to highlight weak topics for students.
- Deployed the application on Vercel with CI/CD pipelines, optimizing database queries and frontend performance, reducing test load times by 40% and ensuring a scalable, user-friendly platform.
- **Tech stack:** Next.js 14, TypeScript, Tailwind CSS, Supabase (PostgreSQL + Auth), React Context API, Lucide React icons, and Recharts for Data Visualization.

Projects

Mini RAG Q&A Bot with LangChain and OpenAI

[GitHub Link](#)

- Designed and built an end-to-end Retrieval-Augmented Generation (RAG) system delivering context-aware answers with sub-500ms latency.
- Productionized lightweight FastAPI service with optimized embeddings, chunking, and CI-ready pipelines.
- Implemented observability and unit testing for reliability.

Skills

Programming: C++, Python, SQL

Frontend: Frontend: HTML, CSS, JavaScript, React.js, Next.js, TailwindCSS, Responsive Design

Backend: Node.js, Express.js, FastAPI, REST APIs, Authentication & Authorization

Databases: PostgreSQL, MySQL, MongoDB, Supabase

DevOps & Cloud: Linux, Git, GitHub, Docker, AWS (EC2, S3, RDS), GCP, Vercel, CI/CD pipelines(GitHub Actions)

Education

KL University Hyderabad

Aug 2022 - May 2026 (Expected)

Bachelor's of Technology in Artificial Intelligence and Data Science

CGPA: 7.76/10

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Architecture, Network Protocols & Security, Object-Oriented Programming, Design & Analysis of Algorithms, Full Stack Development with Django, Machine Learning, Deep Learning

Achievements & Certifications

- Google Cloud Digital Leader — Certified
- Microsoft Azure AI Engineer Associate — Certified
- NXP AIM India 2024 (Regionals) – Built an obstacle-avoiding robot with ROS2 lane detection.