ROHITHKUMAR R

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EDUCATION

Chennai Institute of Technology, Chennai, Tamil Nadu   CGPA: 8.54/10.0
B.E. in Computer Science Engineering   *2022 – 2026*

INTERNSHIPS

Cisco Networking Academy
Virtual Networking Intern   *May 2024 - July 2024*
- Gained experience in networking using packet sniffers, improving TCP/IP and HTTP understanding .
- Used Packet Tracer for simulations, enhancing practical knowledge and reducing troubleshooting time.
- Analyzed network traffic patterns, strengthening protocol comprehension and real-time issue diagnosis skills.

Codsoft
Web Development Virtual Intern   *Nov 2023 – Dec 2023*
- Developed a full-stack web application called JobKart,enabling employers to post jobs and candidates to apply.
- Gained hands-on experience in React.js, Node.js, and MongoDB, implementing responsive UI and robust backend.
- Employed MERN stack best practices, improving app performance and maintainability for scalable deployment.

PROJECTS

CineEase | *Vite, Node.js,MongoDB*
- Developed a movie ticket booking system using Vite, Express.js, and MongoDB Atlas, ensuring high scalability.
- Designed a robust backend with optimized database queries, enhancing performance and reducing response time.
- Implemented secure payment gateway and advanced search for seamless user experience across all devices.
- Used JWT for encryption and authentication, ensuring data security and preventing unauthorized access to users.

Price Tracker | *Go, Next.js, Tailwind CSS*
- Developed a full-stack web app to monitor product prices across online store, providing real-time price updates.
- Implemented web scraping using Go's gocolly to dynamically extract product prices from e-commerce site.
- Integrated web push notifications with VAPID-secured delivery to alert users instantly on price drops.
- Structured backend with Gorilla Mux and WebSocket support for real-time communication with the frontend.

RAGBot | *Python, FastAPI, Vite, Ollama*
- Built a full-stack Retrieval-Augmented Generation (RAG) chatbot with a Vite frontend and FastAPI backend.
- Leveraged local language models via Ollama for fully offline, privacy-preserving Q&A over user-provided documents.
- Integrated LlamaIndex with FAISS for embedding-based vector search, enabling fast and accurate context retrieval.
- Enabled users to ingest and query their own documents (PDFs) with a persistent vector index for efficient reuse.

CERTIFICATES

- AWS Cloud Practitioner
- Full Stack - Udemy
- Introduction to IOT - NPTEL
- Deep Learning- NPTEL
- Programming in C++- NPTEL
- Zero Trust Cloud Security -Zscaler
- CyberSecurity -Paloalto
- Azure services - Coursera
- CyberSecurity essential - Cisco

TECHNICAL SKILLS

- Java
- Python
- JavaScript
- Go
- Git/GitHub
- Docker
- Figma
- Tailwind CSS
- Bootstrap
- React.js
- Next.js
- Vite
- React Native
- MongoDB
- MySQL
- PostgreSQL

COMPETITIVE PROGRAMMING

- Leetcode - Achieved a peak rating of 1905, solving 800+ problems, demonstrating strong proficiency in DSA.
- CodeChef - Achieved a peak rating of 1602, demonstrating strong skills in algorithms and data structures.
- Codeforces - Achieved a peak rating of 1057, showcasing strategic thinking and competitive coding skills.

ACHIEVEMENTS

- Finalist, Samhita Hackathon ,MIT Chennai.
- Finalist, Solve the Edge Hackathon ,IIT Madras and Accenture
- Finalist, Technology Infusion Challenge, La Trobe University, Australia
- Advanced to Round 2 of TCS CodeVita Season 12 (2024-2025), showcasing programming expertise

VOLUNTEERING

- Hackerz, National Symposium: Organized a non-technical event, engaging 300+ participants in various activities.
- Green Campus: Planted 50+ trees across the college campus, promoting sustainability and environmental awareness.