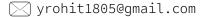
Rohit Yadav

Software Engineer

India

GitHub

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Experience

AMADEUS | Software Development Engineer Intern

Jan 2025 - Present | Bangalore, India

- → Developed a **secure Browser extension** with **Admin portal** enabling customized feedback collection for specific applications and user groups, capable of 20K+ daily interactions with ServiceNow/JIRA integration.
- → Engineered a fine-tuned LLM pipeline that analyzes feedback sentiment and auto-generates concise action items, reducing insight generation time by 65% while improving categorization accuracy to 90%.
- → Implemented an **intelligent routing system** with role-based workflows, resulting in 40% faster issue resolution and automated assignment across departments.

TECHCURATORS | Technical Project Associate Intern

Feb 2024 - Jan 2025 | Bangalore, India

- → Engineered ContextFusion RAG framework integrating , BM25, TF-IDF/Word2Vec, across major platforms and Sentence-BERT embeddings, improving retrieval accuracy by 85%.
- → Developed multi-model question generation platform using GPT-3.5/4 and custom fine-tuned PyTorch models, deploying via AWS to serve 200+ daily users across departments.
- → Built Al-driven tools to boost team productivity with Python, FastAPI, Docker containers, increasing team velocity by 70%.

AVAINTERN | Software Engineer Intern

Oct 2023 - Jan 2024 | Remote

- → Architected Full-Stack Applications using the MERN stack and AWS, implementing advanced caching strategies that reduced cold-start latency by 60% Express.js, FastAPI, Django while supporting 10,000+ concurrent users.
- → Engineered query denormalization and compound indexing for databases within an AWS-backed environment, optimizing data access for 10K+ daily transactions and reducing read costs by 95%.
- → Developed a fully automated CI/CD pipeline with canary deployments, distributed tracing, and automated rollbacks on AWS, slashing deployment failures by 85%.

Projects

SMART WHEELCHAIR WITH AAC & HOME AUTOMATION

- → Engineered a multimodal accessibility system combining voice, biosignal, and eye-tracking interfaces to control computer functions and home appliances using TensorFlow and OpenCV.
- → Developed an intuitive React-based GUI with customizable dashboards and MQTT/WebSocket protocols enabling seamless device control.

GOOGLE CALENDAR CHROME EXTENSION GitHub Link

- → Engineered a feature-rich productivity extension integrating Al-powered natural language event creation, optimized schedule generation, and Google Calendar integration.
- → Implemented data-driven productivity insights via custom website usage tracking and intelligent website blocking.

EVENT HUB: AI-DRIVEN EVENT MANAGEMENT GitHub Link

- → Architected a high-performance RAG system achieving sub-50ms query latency through optimized vector embeddings and Elasticsearch integration.
- → Developed a **containerized microservice architecture** with React (TypeScript) frontend and FastAPI backend, enabling seamless horizontal scaling.

Achievements

- ★ IEEEXtreme: Ranked 18th nationally and 151st globally among 17,000+ coders
- ★ CodingNinja: 1st place in Weekly Contest #102 with consistent top-50 rank
- ★ GDSC CP Lead: Mentored 500+ students in competitive programming
- ★ Hackathon Wins: Led teams to 10+ top finishes through rapid proto-
- ★ DSA: Solved 1000+ problems

Skills

PROGRAMMING

Python, JavaScript, Bash Java, C++, C, Flutter

FRAMEWORKS

React.js, Redux, Node.js

CLOUD & DEVOPS

AWS, Docker, Kubernetes CI/CD, PostgreSQL, MongoDB Redis, Neo4j, MySQL

MACHINE LEARNING

TensorFlow, PyTorch, LLM, RAG, CV

Education

VEL TECH UNIVERSITY

B. Tech in Computer Science and Engineering 2021 - 2025 | Chennai, India CGPA: 8.9 / 10.0

NAVY CHILDREN SCHOOL

12th Grade, CBSE 2021 | 95%

Research Paper

Smart Helmet with Crash and Wear Detection Springer Publication ThresholdedReLU Orthogonal Layer IEEE Publication CNN