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Top Skills

System Deployment
Feature Engineering
Generative AI Tools

Rohit Jibhakate

AI & ML Engineer @ TCS | Generative AI | NLP | LangChain &
LangGraph | Deep Learning | MERN Stack | DSA
Nagpur, Maharashtra, India

Summary

I'm Rohit Jibhakate, a passionate AI/ML Engineer with a strong background in Full Stack Development (MERN). I specialize in Generative AI, NLP, and Machine Learning, building scalable AI solutions using LangChain, LangGraph, TensorFlow, and PyTorch.

What Drives Me:

AI Innovation – Creating intelligent applications with LLMs, RAG, and AI security.

Full Stack Expertise – Bridging AI with robust backend and seamless frontend solutions.

Continuous Learning – Staying ahead in AI/ML advancements and emerging tech.

Collaboration & Mentorship – Sharing knowledge and growing with the tech community.

Current Role | Generative AI Engineer | TCS

Focused on AI-driven applications, optimizing LLMs, RAG, and secure AI deployments.

Previous Experience | MERN Stack Developer

Developed and optimized full-stack applications, integrating React, Node.js, MongoDB, and Express.js into scalable systems.

Actively Seeking AI/ML Roles!

I'm looking for opportunities to apply my AI/ML and Full Stack expertise to drive innovation. Let's connect!

Experience

Tata Consultancy Services

3 years 5 months

Generative AI Engineer

January 2024 - Present (1 year 6 months)

Nagpur, Maharashtra, India

Text-to-SQL Automation: Developed an AI-powered system to convert natural language queries into SQL using LangChain and agents for SQL databases.

RAG-based Chatbot: Built an LLM-powered chatbot for company-related queries, optimizing retrieval and response generation using LangChain, RAGAS, and Promptfoo.

LLM Security Implementation: Integrated NeMo Guardrails to enhance security in LLM-based applications, preventing unauthorized or biased outputs.

Performance Optimization: Migrated applications from LangChain to LangGraph, significantly improving efficiency and response times.

NLP & Machine Learning: Designed and deployed ML pipelines for NLP tasks, enhancing query understanding, document retrieval, and response generation.

Collaboration & Innovation: Mentored interns and collaborated with cross-functional teams to develop AI-driven solutions, aligning with business needs.

Full Stack Developer

February 2023 - January 2024 (1 year)

Nagpur, Maharashtra, India

MERN Stack Development : Proficiently design, build, and maintain full-stack web applications, optimizing user experiences and performance through the use of React.js, HTML/CSS, JavaScript, Bootstrap, Node.js, and Express.js.

Innovative Projects: Collaborate on innovative projects that challenge the boundaries of traditional web development. These projects involve creating unique solutions and features that enhance user engagement and productivity using machine learning.

Machine Learning Integration: Successfully integrate machine learning components into our applications, enhancing their capabilities with intelligent features such as recommendation engines, predictive analytics, and data-driven decision-making.

Assistant System Engineer

February 2022 - February 2023 (1 year 1 month)

Education

Shri Sant Gajanan Maharaj Engineering College, Shegaon.
Bachelor's degree, Mechanical Engineering · (2016 - 2020)

SAEINDIA

Member, Automobile Engineering