

VINAYAK TAVATAM

Full Stack Developer

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Summary

Full Stack Developer with 1+ years of experience in React, Node.js, and Python, now focusing on AI development. Skilled in LangChain, LangGraph, and FastAPI for building smart, automated web apps. Passionate about integrating AI-driven solutions and continuously learning in the AI and ML field. **Available to start immediately.**

Skills

Programming Languages: JavaScript, TypeScript, Python

Frontend: React.js, Next.js, Redux Toolkit, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, FastAPI, RESTful APIs, GraphQL

Databases: MongoDB, MySQL, PostgreSQL

AI & Machine Learning: LangChain, LangGraph, LangSmith, OpenAI API, Generative AI Integration

Tools & DevOps: Docker, Git, GitHub, npm, WebSocket

Additional: Async Programming, API Automation, Prompt Engineering

Experience

Full Stack Developer

June 2024 – November 2025

Autux Ventures Pvt Ltd

Pune, Maharashtra

- Developed and maintained AI-driven web applications using JavaScript, TypeScript, React.js, Node.js, and Express.js, serving over 10,000+ users monthly.
- Integrated OpenAI APIs and LangChain workflows to automate content generation and improve user engagement.
- Wrote well-structured, testable, and maintainable code following industry best practices and SOLID principles.
- Built RESTful and GraphQL APIs to connect AI models and client-side applications efficiently.
- Implemented async programming patterns and caching to optimize API response time by 26%.
- Developed and maintained MongoDB and PostgreSQL databases, designing efficient schemas and indexing for AI data retrieval.
- Implemented authentication and authorization using JWT and OAuth 2.0 for secure AI service access.
- Wrote unit and integration tests using Jest and Mocha, ensuring reliable AI model and API integrations.
- Collaborated with data and UI/UX teams in an Agile environment to deliver intelligent product features.
- Deployed AI-integrated applications on AWS and Vercel with CI/CD pipelines for automated testing and delivery.

Projects

AI-Powered E-Commerce and NLP + RAG Chatbot

React.js, Node.js, Express.js, MongoDB, Redux Toolkit, Docker, LangChain

- Developed a full-stack e-commerce chatbot application with NLP capabilities using OpenAI and LangChain for intelligent product discovery.
- Integrated AI-based intent recognition to provide personalized product recommendations, increasing user engagement by 40%.
- Built and managed RESTful APIs for authentication, product management, and order workflows using Node.js and Express.js.
- Managed complex state handling using Redux Toolkit for seamless shopping and checkout experiences.
- Designed a responsive and accessible UI using React.js (ES6+), ensuring high performance and accessibility.
- Optimized MongoDB queries for faster AI-driven product retrieval and search relevance.
- Containerized the AI chatbot application using Docker for consistent and scalable deployment.
- **Live Demo:** ai-powered-e-commerce-chatbot.vercel.app

Education

Bachelor of Computer Application (BCA)

2019 – 2022

Bharati Vidyapeeth University Pune, Maharashtra, India

CGPA: 7.5 / 10