

Yash Barhate

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Objective

AI-focused Software Engineer with hands-on experience building full-stack applications and agentic AI systems using React, Node.js, Python, and modern LLM frameworks. Seeking to develop scalable software products that blend strong engineering with practical AI capabilities.

Education

Vishwakarma Institute of Technology, Pune
B.Tech in Artificial Intelligence and Data Science

2023 – Expected September 2027
CGPA: 8.7/10

Skills

Languages: Python, JavaScript, TypeScript, C++, SQL
Frontend: React.js, HTML, CSS, Tailwind CSS
Backend: Node.js, Express.js, FastAPI
AI/GenAI: LangChain, LangGraph, CrewAI, MCP, RAG
Databases: MongoDB, PostgreSQL, ChromaDB
DevOps & Tools: Git, GitHub, Docker

Experience

Teaching Assistant — NxtWave

September 2025 – Feb 2026

- Mentored students in web development concepts, guiding them through debugging and implementation.
- Resolved technical doubts and guided students in problem-solving and implementation.

AI Coding Evaluator — Outlier AI

Freelance

- Evaluated AI-generated code and technical responses for correctness, quality, and adherence to requirements.
- Identified logical and implementation-level issues and provided structured feedback to improve LLM-generated solutions.

Technical Team Member — XRFG Club, VIIT

September 2024 – July 2025

- Collaborated on projects focused on Extended Reality (XR) and game development.
- Assisted in organizing and conducting technical workshops and training sessions.

Projects

Tripset AI — Agentic Travel Platform

[GitHub](#) [Live](#)

React, Node.js, FastAPI, LangGraph, CrewAI, Vapi, MongoDB, Docker, Azure

- Built a two-service agentic travel platform using LangGraph and CrewAI to automate trip planning, hotel research, selection, and voice-based hotel verification.
- Implemented human-in-the-loop approval workflows and deployed the Dockerized agent service on Azure with JWT authentication and MongoDB-backed session persistence.

AI Web App Builder

[GitHub](#) [Live](#)

React 19, Express 5, MongoDB, Gemini API, Vite, JWT

- Built a full-stack AI web app builder that generates deployable HTML/CSS/JS applications from natural-language prompts using Gemini 2.5 Flash with conversational context and iterative refinement.
- Engineered a real-time builder with sandboxed live preview, inline code editing, version history, and JWT-secured MongoDB persistence.

Learning Path Generator

[GitHub](#) [Live](#)

Python, LangGraph, LangChain, Groq Llama 3.5, MCP, Streamlit

- Engineered an AI agent using LangGraph and MCP to autonomously generate structured, day-wise learning paths from natural-language goals.
- Integrated YouTube, Google Drive, and Notion through MCP to automate content research, playlist creation, and document publishing in a single agentic workflow.

Achievements & Certifications

- Smart India Hackathon 2024– Internal Round Finalist.
- Nirman 2.0 Hackathon – Runner-up.
- Code To Win Challenge – Hustler 20.
- Google Data Analytics Professional Certificate
- TensorFlow 2: Deep Learning & Artificial Intelligence

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