

Atharva Girish Naik

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Summary

AI-focused Software Developer with hands-on experience building Generative AI systems, intelligent backend services, and data-driven applications. Strong foundation in Python, Machine Learning, and Computer Vision concepts, with practical exposure to PyTorch, OpenCV, and TensorFlow. Passionate about developing real-world AI solutions involving image processing, NLP, and automation.

Skills

Machine Learning & AI: PyTorch, TensorFlow, OpenCV, Scikit-learn, CNN fundamentals, Model Training

Generative AI & LLMs: LangChain, OpenAI API (GPT-4), Llama-2, RAG, ChromaDB

Languages: Python, JavaScript, TypeScript, SQL

Frontend: React.js, Next.js, Tailwind CSS

Backend & Tools: FastAPI, Node.js, Docker, Git/GitHub, AWS

Databases: PostgreSQL, MongoDB, Vector Databases

Projects

- **AI News Aggregator (NewsAI)** — *React, FastAPI, LangGraph, GenAI*
Live: <https://news-app-delta-mocha-27.vercel.app/>
 - Built a next-generation AI news platform using multiple agents to aggregate, classify, summarize, and analyze news in real-time
 - Implemented **Deep Analysis** pipeline (Collector → Classifier → Summarizer → Bias Analyzer) using LangGraph, streaming results via **Server-Sent Events (SSE)**
 - Developed **Daily Briefing** with caching for faster personalized summaries
 - Integrated **AI Chat Assistant** using **RAG** for contextual Q&A on articles and user feeds
 - Added premium subscriptions with **Solana-based payments (Testnet)** and Pro upgrade flow
 - Implemented secure authentication with **JWT access/refresh token rotation** + Google/GitHub OAuth
- **Smart VS Code Assistant (Internal RAG Tool)** — *Python, LangChain, FastAPI*
 - Developed a Retrieval-Augmented Generation (RAG) assistant for internal documentation and developer support
 - Reduced debugging and information lookup time by 35%
- **Nakama AI (AI Companion)** — *Next.js, Node.js, OpenAI API*
Live: <https://nakama-taupe.vercel.app/>
 - Built a conversational AI system with persistent memory across sessions
 - Used vector databases for long-term contextual recall and personalized conversations

Experience

Software Developer Trainee (AI & Backend) | Tata Consultancy Services **May 2025 – Nov 2025**

- Worked on AI-enabled internal tools using **Python, FastAPI, and React** for UI components
- Gained hands-on exposure to **PyTorch and TensorFlow** for ML model experimentation and prototyping
- Implemented data preprocessing and basic image analysis workflows using OpenCV
- Collaborated with teams to integrate AI components into production-ready systems

Frontend Intern | CodSoft **Dec 2023 – Jan 2024**

- Built responsive web interfaces improving page performance by 20%
- Implemented secure Google OAuth2 authentication flows

Education

Savitribai Phule Pune University **2024 – Present**
Master of Computer Applications Ongoing

MMCC Pune **2021 – 2024**
Bachelor of Computer Applications CGPA: 9.49/10

Certifications

- Microsoft Azure DevOps Engineer Expert (AZ-400)
- Complete Machine Learning & Data Science Bootcamp — Zero To Mastery
- AWS
- Complete Web Development + DevOps + Blockchain Cohort (Ongoing)

Achievements

- Winner — Tech Setu Hackathon 2023, MMCC Pune
- Winner — Technical Quiz Competition 2023, Modern College Pune
- Silver Medal — C Debugging Competition 2023, Christ College
- 2nd Rank — Web Designing Competition 2023, MMCC Pune
- Represented — Avishkar Zonal Level Research Project Competition (2022 & 2023)