

Atharv Gangawane

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Profile

Full-Stack Software Engineer specializing in backend systems, AI/ML integration, and cloud infrastructure. Experienced building and shipping production-grade web platforms, integrating LLMs, and deploying automated ML inference pipelines using Python and Node.js.

Education

A. P. Shah Institute of Technology

Bachelor of Engineering in Information Technology

Aug 2023 – May 2027 | CGPA: 8.76/10

Thane, India

Experience

Sapphire Infocom | [Certificate](#)

Software Engineering Intern

Sep 2025 – Dec 2025

Mumbai, India (Remote)

- Engineered 14+ RESTful API endpoints (Node.js/Express) powering real-time feeds, stories, and notifications for Swish, a campus social network connecting student communities.
- Architected 24-hour ephemeral stories and nested commenting, leveraging Mongoose .populate() to cut relational data retrieval latency by 20%.
- Managed deployments via Vercel/Render and integrated Cloudinary middleware, accelerating media processing and page loads by 25%.

Projects

ChitX: Decentralized Chit Fund Protocol (React, FastAPI, MongoDB, Solidity, Sepolia, ML)

[\[GitHub\]](#)

- Designed smart contracts on the Sepolia testnet to automate group savings, implementing algorithmic pool bifurcation to speed payout cycles and a custom CTX token for transparent settlements.
- Engineered an ML inference pipeline (FastAPI + scikit-learn) to parse bank statements and serve an AI trust-scoring engine, automating risk-profiled user clustering, fast-tracking emergency verifications, and powering a context-aware financial chatbot.

Vitality: Health Intelligence Platform (React, Flask, MongoDB Atlas, Docker, Azure, ML, Groq, n8n)

[\[GitHub\]](#) | [\[Live\]](#)

- Built a HealthTech platform that analyzes blood biomarkers through manual input or AI-OCR extraction from uploaded lab reports (n8n + Groq LLM), predicting metabolic risks and generating personalized, downloadable diet and exercise protocol PDFs.
- Deployed a Multi-Output Random Forest Classifier (scikit-learn) trained on 70,000+ clinical records on Hugging Face Spaces (16GB RAM), with the n8n pipeline containerized via Docker-Compose on an Azure Linux VM to bypass API geo-blocking.

ExamEdge: Automated UPSC Preparation Platform (React, MongoDB, Firebase, Python, n8n)

[\[GitHub\]](#) | [\[Live\]](#)

- Developed a gamified UPSC prep platform with topic-wise quizzes, real-time leaderboards, and badge-based progress tracking, secured via Firebase Authentication and backed by MongoDB for user state.
- Implemented a zero-touch automation pipeline (Python + n8n) to monitor local directories, parse PDF metadata, and instantly sync study resources to the frontend without manual redeployment.

Smart Expense Tracker (Java, MySQL, Java Swing, JFreeChart)

[\[GitHub\]](#)

- Built a Java Swing desktop application implementing OOP and FlatLaf UI with secure authentication, real-time balance state management, and multi-keyword transaction filtering.
- Designed a 3-table relational MySQL schema (users, categories, transactions) for financial CRUD operations, integrating JFreeChart for year-wise analytics dashboards.

Technical Skills

Languages: Java, Python, JavaScript (ES6+), TypeScript, C, SQL

Frontend & UI: React.js, Next.js, Tailwind CSS, Vite, Java Swing

Backend & APIs: Node.js, Express.js, Flask, RESTful APIs, JWT Auth

Databases: MongoDB, MySQL, SQLite

AI/ML & Tools: scikit-learn, NLTK, spaCy, Pandas, NumPy, LLM APIs (Groq / Gemini), n8n, MongoDB Atlas

Dev Tools: Git, GitHub, Azure (VMs), Docker-Compose, AWS, CI/CD, Postman, Linux, Vercel, Render, Cloudinary

Core Concepts: Data Structures & Algorithms, System Design, REST API Design, OOP

Achievements

1st Runner-Up, Nakshatra National Hackathon – APSIT, Thane (2026) | [Certificate](#)

- Secured 2nd place in the Fintech domain out of 50+ competing teams by engineering and pitching ChitX's blockchain architecture and ML trust models to technical judges.

Finalist, AlgoForge Hackathon – KJSIT, Mumbai (2026) | [GitHub](#) | [Live](#)

- Developed **FairAI**, a bias mitigation platform auditing legacy ML models to instantly export compliance-ready Python guardrails and plain-English bias explanations for enterprise AI compliance.

Certifications

Amazon Web Services: AWS Academy Cloud Foundations (Mar 2025)

Success Classes: Machine Learning & NLP (Jan 2026)

Success Classes: MERN Stack App Development (Apr 2025) | Java Programming (Jul 2025)