

Aditya Amit Hawaldar

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SUMMARY

B.Tech student in AI & Data Science with hands-on experience building production-grade ML systems, full-stack web applications, and FinTech platforms. Passionate about algorithmic trading, intelligent automation, and scalable AI-driven product development.

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript, TypeScript, Tailwind CSS, React.js, Next.js 14

Backend: Node.js, Express.js, REST APIs, JWT Authentication, Supabase (Auth, Storage, Realtime)

Databases: MongoDB, MySQL, Supabase (PostgreSQL), Database Design & Query Optimization

AI & Data Science: Python, Pandas, NumPy, Scikit-learn, XGBoost, LightGBM, Transformers, LLMs, Gemini 2.0 Flash, TensorFlow, Keras, Vector Databases

Tools & Web3: Git, GitHub, Web3.py, Polygon Amoy, MetaTrader 5, Vercel, Figma, Expo

PROJECTS

APEX Trade AI | *Python, TensorFlow, XGBoost, LightGBM, Next.js, Web3.py, Polygon Amoy*

- Architected a production-grade autonomous trading system using a 4-model ML ensemble (XGBoost, LightGBM, BiLSTM, Transformer) to detect Smart Money Concepts across 4 assets and 5 timeframes, delivering superior signal accuracy over single-model baselines.
- Deployed a blockchain-verified performance ledger via Web3.py and Polygon Amoy, SHA-256 hashing every high-confidence signal on-chain before execution, and ran the system as a 24/7 Windows service with a Half-Kelly risk engine and live Next.js dashboard.

NeuroFlow | *Next.js 14, TypeScript, Google Gemini 2.0 Flash, Piston API, Tailwind CSS*

- Built an AI-powered EdTech platform gamifying the ML curriculum through real-time algorithmic visualizers and sandboxed Python execution via the Piston API, enabling live in-browser coding without any environment setup.
- Integrated Google Gemini 2.0 Flash as a context-aware educational assistant and engineered a proprietary “Liquid Glass” design system in TypeScript and Tailwind CSS, delivering a high-fidelity, institutionally polished learning environment.

MetaLearn AI | *React.js, Next.js, Supabase, LLMs, REST APIs*

- Developed a full-stack AI-powered PWA integrating Supabase for authentication, persistent user profiles, and session management, combined with LLM-driven adaptive learning logic to personalize study flows across desktop and mobile.

AI Feedback Analysis System | *Next.js, Python, Express.js, Transformer Models*

- Engineered a Transformer-based NLP pipeline for multi-class sentiment analysis and topic classification across 500+ feedback entries, automating instructor-wise report generation and cutting manual processing time by an estimated 80%.

EDUCATION

Government College of Engineering, Kolhapur

B.Tech. in Artificial Intelligence & Data Science

Kolhapur, India

2023 – 2027 (*Expected*)

CERTIFICATIONS & ACHIEVEMENTS

- **Finalist — Dimension X Hackathon:** Recognized at a Google Developers on-campus event at DYPCET, Kolhapur for applied AI innovation.
- **Top 8 Finalist (Top 6.4%) — SKN Sinhgad College of Engineering:** Ranked Top 8 out of 125+ participants in a regional technical competition.
- **Rank #3 — Technotza 2K26:** Secured 3rd place at a competitive multi-institution technical event at DYPCET, Kolhapur.
- **Token of Appreciation — Hackathon 2025:** Formally recognized for the innovative design and real-world impact of the AI Feedback Analysis System.
- **Generative AI Certification — YBI Foundation:** Completed hands-on training in LLMs, prompt engineering, and applied generative AI development.