Abhilash Kr. Mishra

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EXPERIENCE

Takumi | Lead AI Engineer (2026)

An AI dev team that builds actual products and stays as it grows like a human team would

- The Build: Engineered an autonomous multi-agent AI workforce from scratch as a solo developer over a rapid 2-month sprint.
- The Architecture: Designed an "AI Co-Founder" orchestration layer that manages specialized developer agents to autonomously plan, write, debug, and deploy full codebases without human babysitting.
- V2 Alpha: Upgraded the core engine for production, integrating secure Auth, multi-mode execution (Pro-Flash, Feature-Patch), and dynamically routing tasks to state-of-the-art frontier models.

AnimeNexa (Solana Startup) | Founding Member & Lead UI/UX Designer (2023)

- Architected the product vision and end-to-end UI/UX for a Solana-based Web3 social network and integrated digital asset marketplace.
- Designed an intuitive, mobile-first ecosystem meant to bridge mainstream users with complex blockchain mechanics (wallet integrations, decentralized transactions).
- Executed a rapid 3-month design sprint to deliver the MVP architecture before transitioning to focus entirely on deep-tech AI engineering.

PROJECTS

Kizu | Headless Python Error Tracking Library

- Engineered a hyper-minimalist error tracking system using custom Python decorators and asynchronous webhooks, completely bypassing the need for bloated external dashboards.

Kaito | Autonomous AI Assistant & Context Aggregator

- Architected a custom Python backend that autonomously manages and routes MCP servers to integrate seamlessly with local workspaces, GitHub, and Discord.
- Engineered robust context windowing and local execution logic to allow the agent to handle complex, compound tasks without relying on lightweight, restricted IDE wrappers.

MedoX | Autonomous Clinical AI & Epidemic Tracker

- Architected a multimodal AI ecosystem (Whisper, MedGemma) to automate clinical documentation, directly reducing administrative burnout for frontline nurses.
- Developed an agentic backend for real-time inventory management and autonomous patient scheduling, linked directly to a public health tracking dashboard.

HACKATHONS & ACHIEVEMENTS

- **IIT Delhi Hackathon (Top 15): Placed in the top tier out of 500+ participants by rapidly architecting and deploying a working technical solution within a strict 24-48 hour timeframe.**

- **IIIT Delhi Hackathon (4th Place - Fintech): Engineered a specialized financial technology solution under intense time constraints, securing 2th place in the highly competitive Fintech track and 4th overall.**

SKILLS SUMMARY

- **Programming Languages:** C, C++, Python, JavaScript, TypeScript
- **Front-end:** React.js, React.ts, React-Native, Tailwind CSS, HTML, CSS
- **Back-end:** Flask, Django, SQLAlchemy, Langchain
- **Databases:** SQLite, PostgreSQL, Supabase
- **AI Tools & APIs:** HuggingFace, OpenRouter, OpenAI API, Claude API, Google GenAI SDK, MCP
- **Dev Tools:** Docker, GitHub, Git, VS Code, Linux, Postman, Supabase, MCP, Google Cloud API
- **UI/UX Design:** Figma, Framer, Wix

EDUCATION

NOIDA INTERNATIONAL UNIVERSITY — Greater Noida, India

- **Bachelor of Technology - Computer Science : GPA: 8.60** — **Aug 2023 - Present**