

AKASH PANDEY

+91-6361470510 · Bangalore, India

sirskyakash@gmail.com · github.com/Akashpandeye · linkedin.com/in/akash-pandey-works

EDUCATION

Bangalore Institute of Technology

B.Tech. in Robotics and Artificial Intelligence

Bangalore

CGPA: 8.0

Kendriya Vidyalaya (CBSE)

10th Grade: 91% 12th Grade: 85.6%

Chandigarh

TECHNICAL PROFICIENCIES

Languages & Frameworks: Python, JavaScript, TypeScript, C/C++, React.js, Next.js, Node.js/Express.js, FastAPI

Databases & DevOps: MongoDB, MySQL, SQLite, PostgreSQL, GitHub, Linux, AWS, Docker, Kubernetes

Soft Skills: System Design Thinking, Rapid Prototyping, Debugging Under Pressure, Async Collaboration

WORK EXPERIENCE

CHIAC ASI – AI Engineer Intern · *Next.js, FastAPI, Docker, Pydantic, Langchain*

Feb 2026 – Present

- Engineered an agentic team-based task management system with an explicit state machine to handle task lifecycle, assignment, commenting, and advanced filtering.
- Built a robust FastAPI backend with structured tool-based architecture using Pydantic schemas; implemented comprehensive logging for agent decisions, tool calls, and state transitions.
- Designed and developed a responsive React UI to visualize workflows, state transitions, and execution logs, enabling reproducible runs through seed-based execution.
- Collaborated via Git in a structured team environment, worked under leadership, contributing to feature development, code reviews, and ensuring system reliability with guardrails and failure handling.

PROJECTS

NoHell - Skip tutorial hell · *Next.js, TypeScript, Supabase, PostgreSQL, Claude AI, Clerk Auth, Vercel*

<https://no-hell.vercel.app/>

- Built an AI-powered note-taking application using Next.js and TypeScript, integrated Claude AI with streaming to automatically extract and summarize YouTube lecture content in real-time, enabling users to set goals and timers while generating contextual notes.
- Implemented secure authentication using Clerk OAuth with streamlined onboarding; utilized TypeScript for type safety and built intelligent note categorization logic that automatically segments content into Syntax, Important, and Theory sections using Claude's text processing.
- Designed a PostgreSQL database schema using Supabase with optimized queries for note retrieval and bookmarking; deployed production-ready application on Vercel with responsive UI using Next.js Server Components and CSS for performance optimization.

NoteTrade - Full-Stack Trading Journal · *Next.js 15, TypeScript, Supabase, Tailwind CSS, Zod*

<https://note-trade-murex.vercel.app/>

- Built a production-ready trading journal using Next.js 15 and TypeScript with Google OAuth for secure authentication; implemented real-time P&L dashboard using Recharts to visualize advanced analytics (win rate, streaks, per-symbol breakdown, heatmaps) fetched from Supabase.
- Implemented Zerodha CSV parsing using PapaParse to handle multiple delimiters and formats; utilized Zod for schema validation and react-hook-form for form state management, enabling both automated imports and manual trade entry with data integrity.
- Designed PostgreSQL schema with Supabase row-level security using SQL to protect user data; implemented SSR-compatible authentication using @supabase/ssr for secure Next.js App Router pages and deployed on Vercel with dark/light themes and full mobile responsiveness.

CERTIFICATES

Artificial Intelligence and Machine Learning Training Course (Infosys)

JNCIA-DevOps - Juniper Networks