Preet Jain

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Education

D.Y. Patil College of Engineering, Akurdi **2023 – Present**
Bachelor of Engineering in Information Technology CGPA: 9.46

SNBPs International School, Manjri **2023**
Senior Secondary (12th Grade) 81.6%

Work Experience

ConnectWise **June 2026 – August 2026**
Software Engineer Intern (DevOps) *On-site*

- Extended an Autonomous SRE Agent with MCP integrations across Dynatrace, OpenSearch, and AWS, automating incident triage, root-cause analysis, and mitigation planning across 50+ production incidents.
- Benchmarked 90–95% root-cause accuracy by cross-verifying agent findings with senior engineers and domain experts in live war rooms; the agent cut MTTR from 3 hours to 15 minutes.
- Built the agent-to-Teams notifier from scratch: adaptive cards on investigation complete, failed, or timed-out events.

Annam.ai | IIT Ropar **June 2025 – August 2025**
Software Engineer Intern *Remote*

- Developed React.js frontend and real-time Socket.io features (Node.js/Express.js) for a poll automation platform.

Projects

trace | Next.js, Vercel AI SDK, Claude, PostgreSQL, Drizzle GitHub

- Architected a 4-layer reconciliation agent (Detect, Investigate, Explain, Act) for Razorpay settlement GST vs GSTR-2B: arithmetic produces every figure; an MCP tool-calling loop classifies unresolved records.
- Engineered hallucination guards: answers citing records absent from the batch are flagged on screen, and every drafted CA email, GSTR-3B flag, and Tally entry is checked against source figures before a human confirms it.

lecturelens | Node.js, Qdrant, Transformers.js, Gemini, React GitHub

- Built an open-source tool that turns any course's SRT/VTT subtitles into a personalized Q&A bot; 1,955 transcript chunks indexed with free locally-run embeddings, every course-grounded answer citing the exact lesson and timestamp.
- Designed the retrieval pipeline: history-aware guardrail against off-topic questions, multi-turn follow-up understanding, HyDE query expansion, and LLM reranking (10 to 5). Added rate limiting on chat endpoints.

commonplace | Next.js, Supabase, pgvector, Groq GitHub

- Designed a NotebookLM-style RAG app ingesting PDFs, web pages, YouTube, and transcripts into notebook-isolated pgvector search, with streamed answers whose citations jump to the exact page, timestamp, or passage.

formforge | Next.js, tRPC, Express.js, Drizzle, PostgreSQL, Turborepo GitHub

- Shipped a drag-and-drop form builder in a Turborepo monorepo with end-to-end tRPC type safety, shared Zod schemas, server-validated conditional logic, funnel analytics, and custom JWT auth.

Technical Skills

Agentic & GenAI: MCP, RAG, HyDE, Reranking, Vector Search, Guardrails, Vercel AI SDK

Languages & Frameworks: TypeScript, JavaScript, Node.js, Express.js, Next.js, React

Cloud & DevOps: AWS (ECS, ECR, CloudWatch), Docker, Kubernetes, Terraform, Dynatrace, OpenSearch

Data: PostgreSQL, MongoDB, Redis, Prisma, Drizzle, Qdrant, pgvector, Kafka

Achievements

- **1st Place, ChaiCode Hackathon:** built *stellar-tickets*, a movie ticket booking platform.
- **1st Place, ChaiCode Hackathon:** built *teawindcss*, a browser-native utility-first CSS engine.
- **Top 5% rank, NPTEL:** "Programming in Java" certification course.
- **Competitive Exams:** Gold medals in NSTSE and UIEO; multiple medals in SOF Olympiads (IMO, IEO, NSO).
- **Chess:** 2nd runner-up at SMCA tournament (200+ participants); competed at district and state level.