

Ayush Pathak

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EDUCATION

Indian Institute of Information Technology Dharwad
Bachelor of Technology in Data Science and Artificial Intelligence

Dharwad, IN
June 2022 – May 2026

EXPERIENCE

Software Developer Intern <i>Entnt</i>	Dec 2025 – Present <i>Remote, IN</i>
<ul style="list-style-type: none">Design, develop, and maintain custom software and AI-driven applications for global clients as part of ENTNT's remote-first workforce.Participate in full software development lifecycle requirement analysis, implementation, testing, deployment and maintenance ensuring robust and scalable solutions.Collaborate remotely with a distributed engineering team, leveraging modern tools and best practices to deliver quality software on global projects.	
Software Developer Intern <i>Dentsu</i>	Jun 2025 – July 2025 <i>Bangalore, IN</i>
<ul style="list-style-type: none">Developed NLQ-based AI chatbots using OpenAI GPT-4o and Snowflake Cortex, enabling SQL generation from natural language across 1–2B daily data points for over 100 retailers.Built a full-stack monitoring dashboard using React.js, Express.js, and FastAPI, enabling real-time visibility into 2,000+ daily jobs, integrated with Snowflake via Python APIs.Enhanced RCA and observability, reducing job recrawls and conflict-driven delays by 35%, improving SLA adherence during spikes of up to 1,611 job failures/day.	
Software Developer Intern <i>DataAstra</i>	Aug 2024 – Sept 2024 <i>Mumbai, IN</i>
<ul style="list-style-type: none">Migrated 1000+ lines of legacy code to a modular TypeScript architecture, reducing runtime errors by 70% and improving maintainabilityImplemented server-side pagination and query optimization in Node.js + MongoDB, cutting API response time from 1.8s to 400msBuilt a custom React hook library for form and input state management, reducing repetitive boilerplate across 15+ components by 60%	

PROJECTS

• Mail.ai	<i>Next.js, Prisma, PostgreSQL, Stripe, BullMQ, Redis, Groq SDK</i>
<ul style="list-style-type: none">Developed an AI-powered bulk email platform with Groq-SDK for customizable templates and advanced personalization.Designed a scalable delivery system using Redis and BullMQ, achieving 40% faster delivery and 99.9% uptime.Created a subscription system with Stripe for usage-based pricing and automated billing for enterprise clients.	
• Cursor	<i>Python, LangChain, OpenAI GPT-4, Pinecone, FastAPI, React</i>
<ul style="list-style-type: none">Built an AI-powered code assistant supporting multiple programming languages, enabling developers to generate and improve code efficiently.Implemented a retrieval-augmented generation (RAG) pipeline with Pinecone for context-aware code suggestions from large codebases.Designed intelligent code review and suggestion features, reducing debugging time and improving overall code .	

TECHNICAL SKILLS

- Languages:** TypeScript, JavaScript, C++, C, SQL, Python
- Web Technologies:** HTML, CSS, Tailwind CSS
- Frameworks & Libraries:** React.js, Next.js, Express.js, Hono, Node.js, Prisma, NextAuth
- Databases:** PostgreSQL, MongoDB, Pinecone
- AI & Agentic Tools:** LangChain, AutoGen, OpenAI, LangServe, Pinecone, Vector Stores, RAG Pipelines, MCP Servers, Function Calling, Prompt Engineering