

AMAN PRAJAPATI

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EDUCATION

B.Tech in Computer Science, L.P.U Phagwara

Aug 2022 to Aug 2026

Coursework: Data Structures & Algorithm, Operating System, Computer Networks, Database Management System

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, C++, Data Structure & Algorithms
Web Development: NodeJs, ExpressJs, ReactJs, RAG - Gen AI, MongoDB, PostgreSQL, Prisma ORM
Cloud & Serverless: Cloudflare Workers, HonoJs, AWS Ecosystem
DevOps & Tools: Git/GitHub, Docker, Wrangler, Postman
Professional Skills: Agile Development, Technical Documentation, Cloud Computing & Deployment

PROJECTS

Document Intelligence System (RAG Gen-AI) [GitHub](#) (Feb, 2025)

- Built Express.js backend with **Milvus** vector DB and **OpenAI embeddings** (text-embedding-3-small)
- Engineered PDF processing using **pdf-parse** with fixed chunking (400 tokens + 100 overlap)
- Implemented **JWT authentication** with hierarchical RBAC (ORG_ADMIN/ORG_MEMBER)
- Integrated **MongoDB** with Mongoose for metadata and **Cloudinary** for PDF storage
- Developed vector search pipeline with **Milvus SDK** (O(1) lookups) and **GPT-4o** responses
- Designed validation layers with **Zod schemas** and **bcrypt** password encryption
- Created REST API with **Express routers**, middleware logging, and error handling

MediumBlog [GitHub](#) (Oc, 2024)

- Engineered a full-stack blog platform using **Hono.js** with a scalable **Cloudflare Workers** backend
- Designed structured routing with **Hono's middleware** for user authentication & blog management
- Implemented **JWT authentication** for secure access control with role-based authorization
- Utilized **Prisma ORM** with **Accelerate** extension to enable **optimized database queries**
- Integrated **Zod validation** for type-safe request handling and improved API robustness
- Leveraged **D1 bindings** for efficient Postgres access and deployed globally with **Wrangler**

CERTIFICATIONS

- 0-1 **MERN Full Stack Web Development** Course by 100xDevs(Harkirat singh). ([Aug 12, 2023](#))
- **Data Structures and Algorithms** - Self Paced by GeeksForGeek. ([Sept, 2024](#))
- **AWS Cloud Technical Essentials** ([Feb 15, 2024](#)).
- Introduction to **Generative AI** by Google Cloud. ([Dec, 2023](#))

EXTRA-CURRICULAR ACTIVITIES

- Participated in **Google DevFest Jalandhar** - Punjab's largest developer conference ([2022](#))
- Explored AWS AI/ML stack at **AWS Innovate** - Hands-on with SageMaker & Bedrock ([2023](#))
- Built CNN models at **IIT Roorkee AI/ML Workshop** - TensorFlow implementation ([2023](#))
- Attended **LPU Winter PEP**—one-month intensive MERN Stack training under Ankit Sir (SDE-2 at Outscale.ai) ([2025](#)).