

# Arpit Gupta

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nightmare-tech



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## OBJECTIVE

Computer Science Engineering student with strong experience in AI automation, analytics, and scalable systems. Passionate about applying technical and problem-solving skills to strategy, operations, and business growth initiatives.

## SKILLS

- **AI & Automation:** Retrieval-Augmented Generation (RAG), LLMs (AI21, ChatGPT, Claude), AI-driven Workflow Automation (LangChain), Prompt Engineering
- **Data & Insights:** SQL, Data Analysis & Insight Generation (structuring unstructured data, JSON outputs, semantic search)
- **Cloud & DevOps:** GCP, Docker, CI/CD (Coolify), Linux, Git
- **Programming:** Python, Bash, C/C++

## WORK EXPERIENCE

**IGT Solutions**, Gurgaon, Haryana - Intern (Trainee Program)

**May 2025 - July 2025**

- Built AI-driven automation workflows to improve data accessibility and team productivity.
- Designed and deployed RAG chatbot prototypes to support decision-making and knowledge retrieval.
- Collaborated with cross-functional teams to integrate AI solutions into operational workflows.

## PROJECTS

**Chatty** | [github.com/nightmare-tech/chatty](https://github.com/nightmare-tech/chatty)

- Developed an AI-powered chatbot for knowledge retrieval and business intelligence from custom sources (PDFs, TXT, MD).
- Integrated vector search + JWT authentication for secure access and reliable insights.

**Tech:** Python, FastAPI, MongoDB, AI21 LLM

**ClauseCompass** | [github.com/nightmare-tech/ClauseCompass](https://github.com/nightmare-tech/ClauseCompass)

- Automated contract and policy analysis, extracting structured insights from unstructured legal documents.
- Built dual-mode RAG system for scalable document analysis, supporting business strategy and compliance.

**Tech:** Python, FastAPI, MongoDB Atlas, LangChain, LLMs

**Leafman** | [github.com/nightmare-tech/leafman](https://github.com/nightmare-tech/leafman)

- Built a full-stack leave management system to improve team productivity and HR operations efficiency.
- Secured endpoints with JWT; managed PostgreSQL migrations with Alembic.
- Automated deployment with Docker + CI/CD via Coolify.
- **Tech:** Python, FastAPI, PostgreSQL, SQLAlchemy, Docker, Alembic, JWT, Coolify

**PWD\_Vault** | [github.com/nightmare-tech/PWD\\_Vault](https://github.com/nightmare-tech/PWD_Vault)

- Designed a CLI password manager with PBKDF2 & SHA-256 encryption
- Master authentication for secure personal data use.
- Prioritized usability while ensuring strong cryptography practices.

**Tech:** Python, Bash, Cryptography

## EDUCATION

**VIT Bhopal University**, Madhya Pradesh, India

B.Tech, Computer Science Engineering (Sep 2022 – Aug 2026)

## CERTIFICATES

- **An Introduction to Artificial Intelligence, NPTEL** | May 2024