

AMAN KUMAR

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EDUCATION

Deen Dayal Upadhyaya Gorakhpur University

B.Tech in Computer Science (CGPA: 7.91)

2024 – 2028

Gorakhpur, India

Projects

CivicSync – AI Civic Intelligence 📄 | GitHub

React.js, Node.js, FastAPI, PostgreSQL, Scikit-learn

- Developed responsive admin dashboards using **React.js** during a national-level hackathon, enabling real-time tracking and visualization of civic workforce activities, improving monitoring efficiency by **30%**.
- Integrated and consumed **8+ RESTful APIs**, contributing to backend services using Node.js and ensuring seamless data flow between frontend and backend systems.
- Optimized frontend rendering and state management, achieving **20% faster UI responsiveness** across multiple devices.
- Collaborated on an **AI-driven workforce management platform** using Scikit-learn for intelligent task allocation and performance tracking.

DocQuery AI – RAG-Based Document Chatbot 📄 | GitHub

LangChain, OpenAI API, FAISS, Pinecone

- Engineered a **RAG-based AI chatbot** delivering accurate, context-aware responses with **response latency under 1 second**.
- Built a document ingestion pipeline using chunking and embeddings, improving retrieval accuracy by **30%**.
- Enhanced response relevance through prompt optimization and semantic search, reducing irrelevant responses significantly.

Readify – AI Smart Reading Platform 📄 | GitHub

React, Supabase, PostgreSQL, OpenAI API

- Architected an **AI-powered reading platform** with a bookshelf-style UI, enabling users to upload, organize, and interact with digital books.
- Integrated **LLM-driven features** including automated summarization and key insights extraction, and **“Chat with Book” (RAG-based Q&A)**, reducing reading time by **40%**.
- Implemented a scalable backend using **Supabase and PostgreSQL**, supporting secure authentication, cloud synchronization, **semantic search**, and real-time reading progress tracking.

Achievements

GirlScript Summer of Code 2026

Selected Open Source Contributor

- Chosen for a national-level open-source program, contributing to real-world projects.
- Collaborated using Git and GitHub, improving code quality and development workflows.

India Innovates Hackathon 2026

New Delhi, India

Finalist

- Secured a **top 10 rank among 10,000 participants** in a national-level hackathon conducted with the Delhi Government, demonstrating strong problem-solving and rapid development under tight deadlines.

Google Developer Groups (GDG)

Community Member

- Active participant in technical workshops and community events.

Technical Skills

Languages: Python, C, C++, JavaScript, TypeScript

Frameworks & Technologies: React.js, Node.js, Express.js, Redux, MongoDB, Firebase, Tailwind CSS

Generative AI & Tools: OpenAI API, LangChain, Prompt Engineering, AI Agents, E2B Sandbox

DevOps & Tools: Git, GitHub

Cloud & Hosting: AWS, Vercel, Netlify, Firebase