

Om Kumar

omgupta2473@gmail.com / +91 8252989443 / [Linkedin](#) | [Github](#)

Career Objective

Enthusiastic Computer Science Engineering student with strong foundations in programming, data structures, machine learning, and full-stack development. Experienced in AI-powered applications, data-driven problem-solving, and scalable software development. Seeking an internship opportunity to apply technical skills, learn from industry experts, collaborate effectively, and contribute meaningfully to organizational goals.

Education

Chandigarh University, Mohali, India | Expected 2026

B.E. in Computer Science Engineering (Big Data Analytics)

CGPA: 7.38 / 10 (till 7th Semester)

DAV Public School, Jharkhand, India | 2019 – 2021

12th – 80.83% | 10th – 84.67%

Professional Experience

Freelance Projects

File Analysis & AI Query System – Python, Streamlit, LangChain (2024)

- Built a system that allows querying DNA-related PDF data using natural language processing.
- Learned core concepts of RAG systems and vector databases for information retrieval.
- Deployed Streamlit apps integrating AI query pipelines and data visualization.

CSV Agent (RAG Application) – Python, Groq API, HuggingFace, Streamlit, Pandas (2024)

- Developed RAG system enabling natural language queries on CSV datasets with vector embeddings
- Designed interactive Streamlit UI for live data analytics and real-time query processing
- Implemented advanced prompt engineering for accurate data interpretation and response generation

AI-Powered Conversational Mobile App – React Native, LLM API, AsyncStorage (2023)

- Integrated an AI chatbot into a React Native mobile application for interactive conversation.
- Analyzed user feedback and optimized response coherence for three distinct AI personas.
- Enhanced UX by ensuring logical, helpful responses and seamless mobile performance.

Key Projects

Financial Risk Prediction System – Python, Scikit-learn, Pandas (Academic Project, 2025)

- Developed an ML model to predict financial risk using supervised learning techniques.
- Implemented data preprocessing, feature engineering, and classification using Scikit-learn
- Gained hands-on understanding of risk scoring and data-driven decision-making.

Full-Stack E-Commerce & Booking Platform – React, Firebase, Vercel (Personal Project, 2025)

- Built and deployed a full-stack web app for online product booking and cash-on-delivery payments.
- Integrated Google authentication, real-time database operations, and responsive UI.
- Deployed on Vercel for live testing and learned end-to-end frontend-backend integration.

Live Demo: moonz-nail-store.vercel.app

Technical Skills

Languages & Databases: Python, C++, MySQL

Core Competencies: Data Structures, Algorithms, Machine Learning, Data Analysis, Problem Solving

Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, React, Streamlit

GenAI & ML: RAG, HuggingFace, LLM APIs, Vector Embeddings

Tools & DevOps: Git, GitHub, Firebase, Vercel

Certifications

- **AI Fundamentals** (Academic Certification, Chandigarh University, 2024)

- **HackerRank Skill Certificate:** SQL (Intermediate), Problem Solving (Intermediate), 2025