

Kul Chandra Bhatt

[9840887990](tel:9840887990) | bhattn245@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

EDUCATION

Bachelor of Technology in Computer Science and Engineering, Jaypee Institute of Information Technology, Noida, India | 2021 - 2025

Work Experience

Junior AI Developer | Pristine Minds

July 2026 – Present | Kathmandu, Nepal

- Developed and improved a multi tier product search system for a catalog of 7,600+ products, prioritizing exact matches, relevant category alternatives, and trending products to reduce zero result searches.
- Optimized Django REST Framework search queries using PostgreSQL annotations and lazy QuerySets, improving result ordering and pagination consistency while reducing unnecessary database operations.
- Worked on AI powered product and business recommendations using text embeddings, semantic similarity, graph based relationships, and hybrid ranking techniques.
- Improved production data synchronization, investigated database performance bottlenecks, and documented API behavior, search architecture, and performance findings.

AI Product Engineer| Sparklehood

June 2025 – June 2026, Remote

- Built and deployed production LLM applications and AI agent workflows using LangChain, OpenAI APIs, and Python, reducing prototype development time by 35%.
- Developed autonomous testing and LLM evaluation pipelines using fuzzer agents to validate model behavior, identify failure cases, and improve output reliability before production deployment.
- Deployed AI services on AWS (EC2, S3) and managed the complete deployment lifecycle, monitoring, debugging, and technical documentation.

Salesforce Developer Intern | Astrea It Services

June 2024 – August 2024, Noida, Sec. 65, India

- Developed Apex classes and optimized SOQL queries, improving database response time by **25%**.

React Developer Intern | Itbha International

July 2023 – September 2023, Kathmandu, Nepal

- Built responsive React.js interfaces and participated in code reviews.

PROJECTS

Meet-Up: [GitHub](#)

- Developed a Microsoft Teams clone used by 50+ users, featuring video conferencing, real time chat with 0.5s latency, screen sharing, session recording, and an interactive whiteboard for seamless collaboration.
- **Tech stack:** HTML, CSS, JavaScript, Nodejs, WebRTC, socket.io, moment timezone, nodemon, express, and mongoose.

Crime Rate Prediction System: [Live Demo](#) | [GitHub](#)

- Built a machine learning based web app to predict crime rates using Indian crime data (2014 – 2021) with Random Forest and other models.
- Integrated Chatbase chatbot and emergency contact features; deployed on Render with a responsive UI using HTML, CSS, and Bootstrap.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C, C++, Java

Backend & APIs: Django REST Framework, Node.js, Express.js, FastAPI, REST APIs

AI & Machine Learning: LangChain, OpenAI API, AI Agents, Text Embeddings, Semantic Search, Prompt Engineering, LLM Evaluation, RAG

Databases: PostgreSQL, SQL, MongoDB

Search & Data Processing: Query Optimization, Natural Language Query Parsing, Product Ranking, Data Synchronization

Cloud & DevOps: Docker, AWS EC2, AWS S3, n8n

Frontend: React.js, React Native, Tailwind CSS, Bootstrap

Tools: Git, GitHub, VS Code, Postman

Coursework: Data Structures and Algorithms, Database Management Systems, Object Oriented Programming, Software Engineering

HONORS AND ACHIEVEMENTS

- Awarded a fully funded undergraduate scholarship worth USD 40,000 through the COMPEX scholarship program administered by EDCIL, India.
- Achieved a maximum rank of 956 out of 25554 in the weekly contest 385 on leetcode: [Leetcode](#)