

# Md Kaif

+91-9999066784

mohdkaif2003@gmail.com

GitHub

LinkedIn

Portfolio

## Education

**Indraprastha Institute of Information Technology, Delhi**

2022–2026

*Bachelor of Technology in Computer Science and Engineering*

## Technical Skills

**Programming Languages:** C++, Python, JavaScript, TypeScript, HTML/CSS, SQL, Go, Kotlin

**Frameworks and Libraries:** React.js, Node.js, FastAPI, Jetpack Compose, TailwindCSS

**Cloud and DevOps:** Docker, Cloudflare, Nginx, Git, GitHub, GCP

**Databases:** MongoDB, Firebase

**Development Tools:** Visual Studio Code, Claude Code, Linux, Draw.io, Tableau

**APIs and Integration:** OpenAI APIs, Google Cloud APIs, RESTful APIs, System Design(basic)

## Experience

**Alpine Privacy**

Jun 2025 – Present

*LLM Engineer Intern / AI Startup*

- Led development of AI applications, including a generative design tool for architecture and a privacy platform for document sanitization.
- Designed scalable infrastructure with **Cloudflare Tunnel** and GPU acceleration, boosting document sanitization performance.
- Built full-stack AI platforms using **React**, **Python (FastAPI)**, **MongoDB**, containerized with **Docker**, and deployed on a cloud platform.
- Engineered a microservices architecture for independent scaling of frontend and backend services.

**VeilCode Labs**

Jan 2025 – Mar 2025

*IIITD*

- Collaborated on building a Cryptography Resource Portal to centralize course materials, cryptographic resources, and upcoming events for Applied Cryptography and Cryptanalysis, aiming to benefit thousands of students and users.
- Focused on creating user-friendly navigation and community interaction features, including discussion boards and resource bookmarking, to support seamless collaboration and learning.
- The project utilizes multiple tech stacks like Framer Motion, React.js, Node.js, and Firebase.

## Projects

**AI For Architects: Gen AI For Architects**

Jun 2025 - Aug 2025

- Developed a full-stack web app with **React.js**, **Node.js**, **Express.js**, **MongoDB**, integrating **OpenAI DALL-E 3/GPT-4o** and **Google Veo 2.0 APIs** for AI-driven image/video generation of architectural designs.
- Added a media management system with **CORS-compliant proxy routes**, **JWT authentication**, and **role-based access**, deployed on **ai-for-architects.com** via **CloudFlare tunnels** and **Nginx**.

**Document Privacy: Document Sanitization Tool**

Jun 2025 - Aug 2025

- Deployed a privacy-preserving document sanitization system using **differential privacy**, supporting **4+ file formats** (PDF, DOCX, TXT, HTML) with **NER** for PII detection.
- Built scalable infrastructure with **Cloudflare Tunnel**, **Docker**, **GPU acceleration**, achieving faster processing speeds, and a web interface with real-time feedback and error handling.

**BTech Project: Classical Cipher Identification Using Machine Learning**

August 2025 - Present

*Guide: Dr. Ravi Anand*

- Developing a machine learning classifier to automatically detect classical cipher types (Caesar, Vigenère, substitution, transposition) from ciphertext using statistical and structural patterns. Exploring scalability for multilingual cryptanalysis across languages like Mandarin and Urdu.

**U.S. Lightning Strikes Story (Tableau)**

May 2025

*Personal Project*

- Analyzed **13 million U.S. lightning strike records** (2009–2018) to reveal spatial and temporal patterns using Tableau dashboards and heatmaps.
- Crafted a visual story for public insight-driven presentation.

## Achievements

• **Google Advanced Data Analytics**

2025

*Completed the coursera course to learn comprehensive data analysis as well as machine learning.*

• **Qiskit Global Summer School**

2024

*Participated in the IBM Quantum Computing Summer School.*

• **IBM Artificial Intelligence Fundamentals**

2025

*Showcasing my knowledge in AI/ML's fundamentals.*