

Md Kaif

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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

Apr 2025

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.