Mohd Kaif

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Education

VIT Bhopal University – Integrated Masters in Artificial Intelligence and Machine Learning   *Jun 2021 – May 2026 (Expected)*
Cumulative GPA: 8.29/10

Dr. Virendra Swarup Education Centre, Kanpur, Uttar Pradesh
- 12th ISC: 82.8%   *May 2021*
- 10th ICSE: 85.8%   *Apr 2019*

Experience

Cyber Security Intern (Virtual) – Edunet Foundation with AICTE   *Jan 2025 – Feb 2025*

- Gained hands-on experience with tools and techniques in network security, ethical hacking, threat detection, and incident response.
- Participated in interactive training sessions, real-world simulations, and project-based learning modules.
- Strengthened understanding of secure IT infrastructure — a critical component of modern general IT roles.

Projects

Hospital Bed Management System – COVID-19 Response Project   *May 2024 – Dec 2024*

- Designed and developed a web-based application to manage and track real-time hospital bed availability.
- Built using frontend technologies (HTML, CSS, JavaScript) and backend integration (Node.js, PHP, or Python) with a connected database.

Retrieval-Augmented Generation (RAG) Contextual Question Answering System   *Apr 2025 – Present*

- Developed a Retrieval-Augmented Generation (RAG) based Contextual QA system using OpenAI GPT-4 and FAISS vector DB
- Applied LangChain pipeline for document chunking, embeddings, and real-time answer generation.
- Built Dockerized microservice architecture, deployable on AWS or local servers

Open Source & Coding

Open Source Contributor – Metasploit Framework   *Feb 2024 – Apr 2024*

- Enhanced rapid7/Metasploit Framework by adding support for CSV input in RHOSTS, enabling multi-target scans.
- Collaborated with maintainers and used Ruby/Git to maintain stability across modules.

Competitive Coding

- Achieved a global rank of 1,96,387 out of 6M+ on Leetcode and ranked 2321 in university on GeeksforGeeks.

Leadership & Activities

Core Team Member – AI Club, VIT Bhopal   *Sept 2023 – Present*

- Played a key leadership role in organizing and hosting AI-focused workshops, webinars, and events.
- Mentored junior members and encouraged active involvement in club activities and projects.
- Collaborated with faculty and professionals on sessions covering ML, neural networks, and AI.

Technical Skills

Languages: Python, Java
Tools: Git, Docker, VSCode, Node.js
Frameworks: ReactJS, OpenCV
Databases: MySQL, MongoDB, Firebase
Coursework: Data Structures, OS, OOP, DBMS
Soft Skills: Analytical, Dedicated, Responsible, Versatile

Certifications

- AWS Certified Solutions Architect – Associate (Scheduled Jun 2025)
- Applied Machine Learning in Python (Coursera)
- Cloud Computing (NPTEL)
- Computer Vision (Vityarthi)
- Cybersecurity (Edunet Foundation)