

Md Kaif Imteyaz

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EDUCATION

Jamia Hamdard

Bachelor of Technology in Computer Science & Engineering | 82.48% (till 3rd year)

New Delhi, India

2023 – 2026

EXPERIENCE

Data Science Intern

Sept. 2025 – Feb. 2026

Worked with [Prof. Aaditya Dar](#), Economist at Amazon

- Implemented a scalable data pipeline that cleaned, standardized, and structured around 2 million government asset declarations for public use.
- Curated a 1,000-row labeled dataset and automated extraction of key attributes by fine-tuning a suite of LLMs (BART-base, FLAN-T5, GPT-2, Qwen-2).
- Built a data pipeline architecture and model approach for entity extraction and record linkage across multi year personnel data.

Research Intern

Mar. 2025 – Aug. 2025

Michigan State University (worked with [Prof. Prabhat Barnwal](#))

- Built the Peer Knowledge Exchange Platform to improve speed, accessibility, and user experience for government officers in Punjab, India.
- Deployed "Sewa Assist," a WhatsApp chatbot to help officers connect and access program resources faster.
- Integrated an on site chatbot that reduced user friction and streamlined resource discovery through smart keyword recognition.
- Delivered a solution with Next.js and implemented version control via GitHub for maintainability and scalability.

Full Stack Developer Intern

Dec. 2022 – Jan. 2023

FTK Center for Information Technology, Jamia Millia Islamia

New Delhi, India

- Led full stack development of alumni community web app with 2,000+ users, improving usability and engagement using HTML, CSS, JavaScript, and PHP.
- Optimized site architecture for mobile responsiveness and reduced page load times by 20%.
- Collaborated in a 4 member Agile team to ship 3 major features in 6 weeks, improving site usability and alumni engagement.

WORKING PAPERS

CATS: Culturally Adaptive Therapeutic System | Final Undergraduate Project

An agentic system for physiotherapists to create personalized exercise videos that align with patients' cultural backgrounds, showing exercises through culturally appropriate demonstrations.

Detecting Design Theater in Reasoning Models | LLM Benchmarking

Co-Authors: Kashif Imteyaz, Daniel Lee, Md Kaif Imteyaz, Saiph Savage

A benchmark for exposing when an LRM generates convincing rationales for unimplemented features, quantifying the authenticity gap across creative reasoning tasks.

PROJECTS

Ink2Info: Digitizing Health Informatics | *Python, Next.js, FastAPI, OpenAI, Gemma 7B* | [Repository](#)

2026

- Built a prescription digitization pipeline using OpenAI and Gemma 7B with Fabric.js canvas for real time handwriting extraction.
- Implemented role-based access control with HMAC-signed QR codes for secure data sharing across doctors, patients, chemists, and paramedics.

- OceanDataSync: Oceanographic Data Pipeline** | *Python* | [Repository](#) 2025
 - Developed an automated pipeline aggregating and standardizing oceanographic datasets from NOAA, Copernicus Marine, Argo, and NCEI.
 - Implemented chunked processing, YAML configuration, robust retry logic, and detailed CSV/JSON logging.
- De-Tail: Agentic AI Search Assistant** | *React, OpenAI API, Tavily API* | [Repository](#) 2025
 - Built an experimental chatbot that exposes its step by step reasoning chain for full transparency.
 - Integrated OpenAI Reasoner with Tavily API for real time web search and retrieval augmented generation.
- Anti Corrupt Infrastructure** | *React, Node.js, OpenRouter (OpenAI)* | [Repository](#) 2025
 - Built an AI-based transparency platform for infrastructure projects with automated fund tracking, project monitoring, and milestone verification.
- Vulture: Vulnerability Scanner** | *React, Node.js, OWASP ZAP API* | [Demo Video](#) 2023
 - Built a web app identifying security vulnerabilities using OWASP ZAP API during a 48 hour hackathon; ranked top 10 out of 100+ submissions.

TECHNICAL SKILLS

Programming: Python, JavaScript, Java
LLM & NLP: Qwen, FLAN-T5, BART, GPT-2, Hugging Face, Transformers, LoRA, QLoRA, RLHF, RAG, Prompt Engineering, OpenAI APIs
AI/ML: PyTorch, Scikit-learn, OpenCV, NumPy, Pandas, Weights & Biases (wandb), Model Fine-tuning, Transfer Learning, Model Quantization, Object Detection, Data Preprocessing
Web & Backend: Node.js, Express.js, React.js, Next.js, Tailwind CSS, REST APIs, FastAPI
Databases: PostgreSQL, MySQL, Supabase
Tools: Git, Postman, Figma, Google Colab, Jupyter Notebook

ACHIEVEMENTS

- **2nd Place**, AMD AI Reinforcement Learning Hackathon among 200+ teams, organized by AMD, Yardi School of AI (IIT Delhi), and Unsloth AI (2026)
- **Top 10 / 100+ Teams**, Built a vulnerability scanner using OWASP ZAP API in a 48-hour hackathon (2023)

CERTIFICATIONS

Artificial Intelligence Summer School	May 2024 & July 2023
IIIT Delhi	New Delhi, India
Getting Started with Artificial Intelligence	July 2025
IBM SkillsBuild	Online
Data Fundamentals	July 2024
IBM SkillsBuild	Online

EXTRACURRICULAR ACTIVITIES

Core Member and Web Contributor	2023 – 2024
Google Developer Groups, Jamia Hamdard	New Delhi, India
Volunteer Frontend Developer	Apr. 2024
International Conference on Sustainability and Digitalization, Jamia Hamdard	New Delhi, India
Member, Programming and Animation Team	2022
E Cell JMI	New Delhi, India