


Ahmad Kaif

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EDUCATION

National Institute of Technology, Jamshedpur
Master of Computer Applications(MCA)

August 2023 - June 2026
CGPA: **9.23/10.0**

SKILLS

Languages: C++, Java, JavaScript, SQL
Frontend: HTML, CSS, Tailwind CSS, React, Zustand, Redux, Next.js
Backend: Node.js, Express.js, MongoDB, MySQL, Mongoose, Prisma
Machine Learning: Data Preprocessing, ML Models, Neural Networks, NLP
Tools: GitHub, Postman, Clerk, Jupyter Notebook, Kaggle, Docker
Coursework: Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), Database Management Systems (DBMS), Operating Systems (OS), Computer Networking(CN).

PROJECTS

- ACES - Resume Builder and ATS Checker** | *MERN, Puppeteer, Machine Learning, NLP, Docker* **GitHub - Live**
- Built an **AI Powered** Resume Builder and ATS Checker with integrated **CRUD** functionality.
 - Trained a ML model on over **10,000** resumes, achieving an **$R^2 = 0.94$** , with **MAE = 2.45** and **RMSE = 3.05**.
 - Integrated the **Gemini LLM** and containerized the application using **Docker** for scalable deployment.
- FlowScape** | *Next.js, TypeScript, Prisma, React Flow, TanStack Query, Zod, Clerk, ShadCN* **GitHub**
- Developed an **intelligent** visual web scraper that allows users to design, validate, and manage scraping workflows.
 - Implemented **cron-based scheduling** and a dashboard for monitoring credit usage and workflow activity.
- Underwater Object Detection** | *Deep Learning, YOLOv8, Flask, React, Kaggle* **GitHub - Live**
- Designed a deep learning pipeline using **YOLOv8** to detect objects in underwater **sonar imagery**.
 - Leveraged the **UATD** dataset and achieved a mean Average Precision (**mAP@0.5**) of **83%**, surpassing the previous benchmark by 1%.
- ChatArena** | *MERN, Zustand, Socket.IO, Multer, Gemini API* **GitHub - Live**
- Built a real-time **cognitive** chat application with file sharing and seamless messaging features.
 - Integrated an **AI ChatBot**, implemented secure **JWT**-based authentication, and protected private routes.

HOBBIES AND ACHIEVEMENTS

- LeetCode, GeeksForGeeks, CodeForces, HackerRank, GitHub**
- LeetCode Max Rating: **1515**, CodeForces Max Rating: **921**, GFG Max Rating: **1693**.
- Secured **1st Runner-up** position in a **7-day** Intra-NIT **AI/ML Challenge**.
- Achieved **3rd place** in a **24-hour Web Development Hackathon** by building a real-world solution.
- Solved over **600+** algorithmic and data structure problems on LeetCode and GeeksForGeeks.
- Maintained a **100-day coding streak** across LeetCode, CodeForces, and GFG.
- Earned **5 star** rating in Problem Solving on **HackerRank (view profile)**.
- Successfully participated in **HacktoberFest 2023**, contributing to open-source projects (**view badge**).

EXTRA CURRICULAR ACTIVITIES

- Web Developer at E-Cell, NIT Jamshedpur:** Developed frontend features and fostered a collaborative team environment.
- Conducted and assisted in **technical mock interviews** for **100+** students
- Led the event **National Idea Hackathon** with 100+ participants from various institutes.
- Member at **Enactus, Entrepreneurship Empowerment Society** (Aug 2021 – May 2023)