

# MOHAMMED MUZZAMMIL A K



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## Career Objective

Enthusiastic developer passionate about crafting smart solutions from front-end to backend, while exploring the creative possibilities of generative AI. Driven to learn, build, and contribute in fast-paced, innovation-driven teams.

## Skills

- Languages:
  - Python (Intermediate)
  - C (Intermediate)
- Frameworks & Libraries: FastApi, Hugging Face Transformers (for LLM/NLP tasks)
- Tools: Git, GitHub, VS Code

## Achievements and Certifications

- First Prize in "AIROX" Coding Contest – J.J College of Engineering & Technology, Trichy - Nov, 2024.
- Got certified in **Python for Data Science, AI & Development** at **IBM & Coursera** - Jan, 2025

## Extra Curricular Activities

- **Coding Competitions:** Participation in online coding contests like HackerRank, LeetCode, or Codeforces to improve problem-solving skills and compete with others.
- **Community Service:** Volunteering for tech-related community outreach programs like teaching coding to underprivileged students or organizing workshops for beginners.

## Co Curricular Activities

- Applied copyrights for the Automated Petition Handler Project through college's Intellectual Property Management Cell
- Participated in "Buildathon" project presentation at M. Kumarasamy College of Engineering .
- Participated in "Coding Contest" at Kongu Engineering College.
- Participated in "Code and Debug Contest" at J.J College of Engineering and Technology
- Participated in "Buildathon" project presentation at M. Kumarasamy College of Engineering .

## Education

- Bachelor's degree in the stream of Computer Science and Engineering at M. Kumarasamy College of Engineering, Anna University.  
CGPA : 7.67 (Till 3rd Semester)
- HSC, State Board Of Tamil Nadu  
93.67% , KSV Higher Secondary School, Karur.

## Area of Interest

- Generative AI
- Full-Stack Development

## Projects

### Automated Petition Handler

**Description:** Developed a Python-based NLP application that leverages a fine-tuned BERT LLM (Large Language Model) to perform automated classification and routing of government petitions by analyzing their textual content.

**Role:** Developer

**Technologies:** Python, NLP, FastApi, Bert LLM

### Route Planning System

**Description:** A C-based application using Dijkstra's algorithm to provide efficient navigation for public transportation systems.

**Role:** Developer

**Technologies:** C, Graph Theory

### College Admission System

**Description:** An automated platform to streamline student applications and admission processes.

**Role:** Developer

**Technologies:** Python

### AI-Powered Wildlife Threat Detection System

**Description:** Designed a real-time system to detect poachers and animal distress using image and sound analysis.

**Role:** Developer

**Technologies:** Python, YOLOv8, TensorFlow, FastAPI, NLP, Audio Processing