Mohammad Ammar

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Professional Summary

Highly motivated B.Tech Computer Engineering student at Aligarh Muslim University with a strong foundation in Python, C++, and Machine Learning. Enthusiastic about Data Science, Deep Learning, and AI, actively engaged in online learning and hands-on projects. Proven problem solver with keen interest in real-world applications, ethical AI, and large language models.

Skills

- **Programming Languages:** Python, C++

- **Machine Learning:** Linear Regression, K-Nearest Neighbors (KNN), Random Forest,etc

- **Deep Learning:** Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN), Transformers, Large Language Models (LLMs)

- **Frameworks/Libraries:** TensorFlow, Keras, FastAPI

- **Tools:** Google Colab, Jupyter Notebook , Git

- **Soft Skills:** Problem Solving, Critical Thinking, Research Aptitude

Projects

- **Anxiety Meme Classifier (Major Project):** Currently working on building large language models comparable to BERT and BART as base models to classify memes related to anxiety using deep learning techniques with TensorFlow and Keras.

- **Movie Recommender System:** Developed two collaborative filtering-based systems using the TMDb dataset to generate personalized movie recommendations.

- **RESTful API for AI Bias Detection:** Built an API using FastAPI that exposes endpoints for detecting bias in machine learning predictions.

- **Biases in AI Algorithms (Research):** Conducted and published research analyzing ethical concerns and algorithmic bias in modern AI systems.

- **Port Scanner (Python):** Implemented a network port scanner to identify open ports on target machines, aiding in basic cybersecurity education.

- **Restaurant Bill Management System:** Designed a Python-based system for generating restaurant bills with menu and pricing logic.

Certifications

- Cybersecurity for Everyone – University of Maryland (Coursera)

- Training Certificate in Cybersecurity – Acmegrade

- Python Using AI Workshop – AI for Techies

- Python with Machine Learning Workshop – AI Academia

Education

- **B.Tech in Computer Engineering**
  Aligarh Muslim University, Zakir Husain College of Engineering and Technology
  CPI: 7.194 (up to 6th Semester)

- **Senior Secondary (12th)** – AMU (Minto Circle STS)
  Score: 88.8%

- **Class 10th** – Woodbine Floret Public School (CBSE)
  Score: 83.4%

Languages

- Hindi – Native

- English – Intermediate