

M. Ahmad Siddiqui

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PROFESSIONAL SUMMARY

Data Scientist with a strong foundation in machine learning, natural language processing, and computer vision. Proven ability to apply theoretical knowledge to real-world problems through impactful academic projects. Skilled in modern data tools and systems-level concepts including operating systems and architecture.

EDUCATION

Khwaja Fareed University of Information & Technology

Aug 2022 – May 2026

Bachelor of Science in Data Science - Continued (8th semester) | CGPA: 3.35/4.00

PROJECTS & EXPERIENCE

QuestionPrep: AI-Based Interview Simulation Platform (FYP)

- Developed an AI-driven interview simulation platform that provides users with adaptive, real-time feedback.
- Integrated advanced speech analysis and evaluation features to assess user performance.

Currency Classifier for the Visually Impaired (Computer Vision)

- Built a system using transfer learning (EfficientNet) to classify Pakistani currency notes.
- Enabled both real-time image recognition and audio feedback for usability.

Legal Chatbot Using Retrieval-Augmented Generation (RAG)

- Created a chatbot trained on Pakistani banking law using a RAG architecture.
- Applied LoRA for fine-tuning a large language model, improving legal domain relevance.

Hybrid Profanity Detection & Review Rewriting System (NLP)

- Engineered a two-stage inference pipeline using a LoRA-fine-tuned LFM-1.2B LLM for joint profanity detection and conditional rewriting.
- Implemented dynamic adapter switching to isolate structured classification from unbiased, natural-language generation.

Cyber Attack Detection System (Machine Learning)

- Proposed and implemented a classifier to detect multiple forms of cyber attacks.
- Reached 94.67% accuracy using ensemble techniques.

SKILLS

Programming Languages: Python, SQL

Frameworks & Tools: Docker, Git, Linux

Machine Learning: Supervised & unsupervised learning, CNNs, model evaluation, transfer learning

Computer Vision: Image preprocessing, object detection, classification