Farjad Kareem

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Github

EDUCATION

National University of Computer and Emerging Sciences (FAST-NU) **Lahore, Pakistan**
Data science (BSDS) *Graduation Date: Aug 2025*

Punjab Group of Colleges (PGC) **Lahore, Pakistan**
FSC – Pre-Engineering *Graduation Date: Jun 2021*

KEY COURSES

Introduction to Data Science, Database Systems, Data Analysis & Visualization, , Big Data, Artificial Intelligence, Natural Language Programming, Data Mining, NLP, Generative AI, Introduction to Cloud(Az-900)

SKILLS AND INTERESTS

Languages: English (Advanced), Urdu (Native)

Skills: Python, C++, Database design and development, Web scraping, MySQL, Data Analysis, Data Visualization, Numpy, Pandas, Neural Networks, Deep Learning, Machine Learning

WORK EXPERIENCE

Fleekbiz Pvt Ltd **Lahore, Pakistan**
Jr. Ai & Backend Developer Intern *2025 -*

- Developing and optimizing RESTful APIs using Python (Flask/FastAPI) and Node.js (Express), ensuring scalability and efficiency.
- Working with SQL (PostgreSQL/MySQL) and NoSQL (MongoDB) databases, optimizing queries and ensuring data integrity.
- Identifying and resolving backend issues, optimize code performance, and follow best practices for clean, maintainable code.

Systems Limited **Lahore, Pakistan**
Data Analyst and A.I Intern *2024 - 2024*

- Conducted in-depth data analysis and trained machine learning models for predictive insights.
- Implemented model deployment pipelines on Azure, ensuring smooth and efficient integration
- Basic Research on LLMs and chatbots.

PROJECTS

Ai Driven Threat Inteligent System

- Developed an AI-based system to detect abnormal network traffic and phishing emails using BERT and Google Cloud NLP.
- Built secure role-based backend APIs with JWT authentication and real-time detection dashboards.
- Automated ML model retraining and log management using Flask microservices and MongoDB.

Smart Summarizer (LLM + LoRA)

- Fine-tuned LLMs using LoRA for summarizing academic papers from arXiv with ROUGE/BLEU and LLM-as-a-Judge evaluations.
- Built a multi-agent research assistant (LangGraph) to search, rank, summarize, and compare research content.
- Delivered an interactive summarization app with model comparison and automated qualitative scoring.

Brand Logo Recognition

- Designed a machine learning algorithm that detects logos of brands.
- Accurately detects logos in 90% of cases.

Google Play store app analysis

- Scraped and analyzed metadata (ratings, categories, reviews, size, price) of thousands of Play Store apps.
- Built a machine learning–based recommendation engine that suggests relevant apps to new content creators based on popularity, category trends, and user engagement.
- Performed clustering (K-Means) and classification (Random Forest) to segment apps and identify high-performing targets by genre and audience size.