

## PROFESSIONAL SUMMARY

Associate Generative AI Engineer with a Data Science background and hands-on experience in Generative AI, deep learning, computer vision, and Bayesian modeling. Experienced in building AI-assisted systems, prompt engineering, and uncertainty-aware machine learning solutions.

## EDUCATION

### FAST-NUCES, Lahore

Bachelor of Science in Data Science

2021 – 2025

### Lahore College for Women University (LCWU)

Intermediate in Computer Science (ICS - Physics)

2019 – 2021

## SKILLS

- **Programming & Databases:** Python, C/C++, SQL, PostgreSQL
- **Frameworks & Tools:** LangChain, CrewAI, Cursor, Claude, SvelteKit, Power BI
- **ML/DL:** Machine Learning, Deep Learning, Bayesian GNNs, CNNs, ViT
- **Generative AI:** GANs, VAEs, Stable Diffusion, CLIP
- **NLP:** Text Classification, Q&A Systems, Web Scraping
- **Other:** Data Analysis, Data Visualization, Docker

## EXPERIENCE & PROJECTS

### Associate Generative AI Engineer — BIG IMMERSIVE

August 2024 – Present

Building generative AI solutions and AI-assisted systems with a focus on prompt engineering, model integration, and end-to-end AI workflows.

### ADetectPro — Early Detection of Alzheimer's Disease (FYP)

*Computer Vision, Bayesian GNN*

Implemented Bayesian Graph Neural Networks with uncertainty quantification to improve model reliability and interpretability.

*Code: [GitHub](#)*

### Multi-Module Generative AI System

*GANs, VAEs, ViT, CLIP*

Implemented multiple generative models including GANs and VAEs, ViT-based spoof detection, and CLIP-powered visual search.

*Code: [GitHub](#)*

### EmoNet — Facial Emotion Analysis

*Computer Vision*

Built emotion classification models using CNNs, SVM, and Random Forest with Stratified K-Fold validation.

*Code: [GitHub](#)*

### Child Growth Pattern Classification

*Python, Machine Learning*

Applied Decision Trees, Random Forests, and Gradient Boosting for early prediction of child health risks.

### Smart Gaming Picks Techniques

*Data Scraping, NLP*

Performed web scraping and trend analysis using RNN, SVM, and Random Forest for gaming pattern recognition.

### AI Assistant

*LangChain, Claude, Cursor, SvelteKit, PostgreSQL*

Developed a full-stack AI assistant using LangChain and Claude, featuring a SvelteKit frontend and PostgreSQL backend. Leveraged Cursor for AI-assisted development and tool integration.

## CERTIFICATIONS

- Intro to Programming — Kaggle
- Intro to SQL — Kaggle
- Data Visualization — Kaggle
- Intro to Deep Learning — Kaggle
- Multi AI Agent Systems — DeepLearning.AI
- 10Pearls University Certificate