

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

<b>FAST-NUCES, Lahore</b> Bachelor of Science in Data Science	2021 – 2025
<b>Lahore College for Women University (LCWU)</b> 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](#)