

# AhmadLiaquat

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## EDUCATION

**GIFT University** **Gujranwala, Pakistan**  
**Bachelor's of Science In Computer Science** **2023**

- **Related Coursework:** Machine Learning, Artificial Intelligence, Natural Language Processing, Data Structures and Algorithms, Database Systems
- **Dean's Award:** First Position in Final Year Project, received funding from **Ignite** for project development

## EXPERIENCE

**Devster Labs** **May 2024 – Present**  
**Artificial Intelligence Engineer** **Islamabad, Pakistan**

- Improved audio signal processing models, optimizing processing time by 2% to 3% overall.
- Developed generative AI applications to enhance user engagement by 8%.
- Built chatbots and AI applications using Hugging Face, Vertex AI, and OpenAI, achieving a great improvement of more than 10% in customer query resolution.
- Led a project to enhance sound event detection, achieving a 2% increase in detection accuracy.
- Researched and optimized AI models for audio tasks.
- Collaborated closely with cross-functional teams to integrate AI solutions into existing systems, resulting in a 30% reduction in integration time.

**GIFT University** **Gujranwala, Pakistan**  
**Research Assistant** **Nov 2023 - May 2024**

- Developed algorithm for sketch-to-image synthesis, achieving great accuracy of 80% and robustness by 10% against state-of-the-art techniques.
- Enhanced CNN-based face recognition systems, significantly increasing accuracy by 5%.
- Prepared datasets, using CLEB-A-HQ, for high-quality inputs in sketch-to-image tasks.
- Specialized in GANs for diverse image synthesis, implementing advanced architectures like Pix2Pix and CycleGAN and more for superior results.
- Conducted experiments and analysis, contributing to AI publications and conference presentations.

**CodSoft** **Kolkata, West Bengal Headquarters, India**  
**Machine Learning Intern - Remote** **Oct 2023 - Nov 2023**

- Implemented a combined CNN-RNN architecture for image captioning, improving caption accuracy by 13% using Attention mechanisms.
- Enhanced recommendation systems using collaborative filtering techniques, increasing click-through rates by more than a quarter.
- Integrated machine learning models with Flask REST APIs for seamless web application interaction.
- Analyzed user behavior data to optimize product features and enhance engagement.
- Implemented and optimized natural language processing models for sentiment analysis and text classification, achieving 90% accuracy

## SKILLS & INTERESTS

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**Technical** Python, TensorFlow, PyTorch, Flask, REST APIs, Natural Language Processing (NLP), Convolutional Neural Networks (CNNs), Generative Adversarial Networks (GANs), Git, Agile Methodology

**Language** English (Fluent), Urdu (Professional)

**Interests** Image Processing, AI Applications in Gaming, Audio Signal Processing, Machine Learning Research

**Hobbies** Video gaming, watching sports matches, Visiting Northern Areas, Cooking

## PROJECTS

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### Machine Learning Projects at CodSoft | [GitHub Link](#) 2023

- Tech used: Python, Tensorflow, Scikit-learn, numpy, pandas
- Projects:
  - Movie Genre Prediction
  - Credit Card Fraud Detection
  - Customer Churn Prediction
  - Spam SMS Detection
  - Handwritten Text Generation

### Image Caption Generator | [GitHub Link](#) 2023

- Tech used: Python, Pytorch, CNN, RNN
- Implemented combined CNN-RNN architecture for image captioning
- Optimized caption generation accuracy by 50% using attention mechanisms

### Gemini Pro Power ATS Tracker Project | [GitHub Link](#) 2024

- Tech used: Python, Streamlit, Gemini Pro API, ATS integration
- Developed and integrated Gemini Pro Power ATS tracker into recruitment software
- Enhanced candidate filtering and application tracking functionalities

## CERTIFICATION & AWARDS

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### 2024 Google Cloud Skills Boost Profile

- Earned badges including Introduction to Generative AI, Introduction to Image Generation, Encoder-Decoder Architecture, Attention Mechanism, Responsible AI, Prompt Design in Vertex AI, and Large Language Models.
- Profile: [Google Cloud Skills Boost Profile](#)

### 2023 AI Hackathon 2nd Runner up

- Issued by PAK-UK Academic Bridge and hosted by Comsats Wah Islamabad, Aug 2023
- Our project "Crime-Sniffer" was among the top 2 out of 158 submissions.