

# ANEEQ MUNEEER

## AI Engineer

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## Summary

An emerging AI Engineer with 3 months of professional experience in developing scalable ML systems, optimizing deep learning models, and advancing LLM applications. Passionate about enhancing application using AI & integrating advanced models into real-world applications.

## Education

FAST National University of Computer & Emerging Sciences

Karachi, Pakistan

Degree and Field of Study | GPA: **3.88** / 4.0

09/2021 - 06/2025

## Experience

Avancera Solution

Karachi, Pakistan

AI & Backend Intern

06/2024 - 08/2024

- Built advanced applicant profile creation features, reducing profile creation time by 50% and improving user experience, by leveraging Llama3 from LangChain for automated CV detail extraction.
- Designed an admin control panel, speeding up the hiring process by 40%, by integrating automated LLM systems for test creation and user submission checking.

## Projects

AI-Driven Smart Glasses for the Blind Using Raspberry Pi - Final Year Project (In progress)

Computer Vision, Deep Learning, & IoT - Python, TensorFlow/Keras, YOLOv11, Raspberry Pi, CNN

- Developing a real-time smart assistance system for visually impaired individuals, utilizing CV and DL to enhance navigation and awareness.
- Integrating YOLOv11 for real-time object detection, enabling accurate identification of objects to improve user mobility and safety.
- Creating an AI-driven system for environmental description, providing real-time contextual information through audio feedback.
- Implementing a CNN-based face recognition model on a Raspberry Pi, allowing the system to detect familiar faces in the environment.

WhatBot - Personal Project

<https://github.com/AneeqMuneer/Whatbot.git>

Web Development & Generative AI - Node.js/Express.js, Wassenger API, Ollama(Llama3), Stable Diffusion, MySQL, LangChain, Pinecone

- Developed a **WhatsApp chatbot** that handles message reception and response using the **Wassenger API**, resulting in a **70%** reduction in manual customer service interactions by **automating routine inquiries**.
- Built an **LLM-powered Q/A system** with **Ollama's Llama3 model, RAG, Langchain, and Pinecone**, achieving an **85% accuracy** rate in providing precise answers to both general and PDF-based queries.
- Implemented an **image generation** feature using the **Stable Diffusion** API, increasing **user engagement by 60%** through the provision of personalized visual content.

Movie Recommendation System with Sentiment Analysis - DataScience Course Project

<https://github.com/AneeqMuneer/Movie-Recommendation-System-With-Sentiment-Analysis.git>

Web Development, Data Science, & NLP - Python, Flask, HTML, CSS, Bootstrap, JavaScript, Pandas, Numpy, Scikit-learn, NLTK

- Enhanced **data usability** by cleaning and preprocessing movie data from **TMDb** and **IMDb**, following the Data Science Process and Exploratory Data Analysis.
- Achieved a **90% increase** in user satisfaction by developing a **collaborative filtering recommendation** system that utilized **feature similarity** and **fine-tuning techniques**.
- Attained a **73.4% accuracy rate** in **classifying** movie reviews by implementing **sentiment analysis** through ensemble learning of **NLP models** and **polarity scoring**.
- Boosted **user retention by 85%** by **designing** and **developing** an intuitive interface for movie search and recommendations, enhancing user engagement and experience.

## Skills

**Languages:** C/C++, HTML, CSS, Bootstrap, JavaScript, TypeScript, Python, PHP

**Frameworks:** Node.js/Express.js, React.js, ReactNative, Flask

**Databases:** MySQL, SQLite, MongoDB, PostgreSQL, AppWrite, ChromaDB, Pinecone

**Platforms & Tools:** RESTful APIs, Postman, Ngrok, Git/GitHub, AWS, Vercel