

# MUNEERA IBRAHIM

## AI / Machine Learning Developer

muneeraibrahim021@gmail.com · +92 332 8912498 · linkedin.com/in/muneera-ibrahim-79561a255 ·  
github.com/muneeracodes

### PROFESSIONAL SUMMARY

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Results-driven Computer Science student specializing in Artificial Intelligence with hands-on experience building end-to-end machine learning pipelines, predictive models, and full-stack AI applications. Demonstrated ability to translate raw datasets into actionable insights using Python, scikit-learn, and Streamlit. Brings additional value through frontend development expertise and a strong foundation in OOP, relational databases, and Agile workflows. Seeking a data-driven engineering role where measurable impact and intelligent automation are prioritized.

### EXPERIENCE

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#### AI / Machine Learning Developer | *Freelance / Remote* 2024 – Present

- ▶ Designed, trained, and evaluated supervised learning models (regression & classification) using Python, scikit-learn, and pandas, achieving actionable trend predictions from raw structured datasets.
- ▶ Deployed interactive AI applications and real-time forecasting dashboards via Streamlit, enabling non-technical stakeholders to consume model outputs directly.
- ▶ Engineered full ML pipelines covering data ingestion, preprocessing, feature engineering, and hyperparameter tuning to maximize model accuracy and generalization.
- ▶ Independently scoped, delivered, and iterated on client projects in a remote Agile environment, maintaining clear documentation and version control throughout.

#### Frontend Developer Intern | *K2Peak Technologies, Skardu, Pakistan* 01/2022 – 07/2023

- ▶ Built and maintained responsive user interfaces with HTML, CSS, JavaScript, and WordPress, directly improving user engagement metrics across client web properties.
- ▶ Collaborated with design and backend teams on UI/UX optimization and cross-browser compatibility, reducing reported frontend bugs by standardizing testing protocols.
- ▶ Managed codebase via Git/GitHub, contributing to structured team deployments and participating in peer code reviews to enforce quality standards.

### SELECTED TECHNICAL PROJECTS

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#### YouTube Video Summarizer — *Python · Flask · OpenAI GPT API · YouTube Transcript API*

- ▶ Built a web application that extracts transcripts from any YouTube video and generates concise, structured summaries using the OpenAI GPT API via a Flask backend.
- ▶ Integrated the YouTube Transcript API to handle multi-language captions and gracefully manage videos with auto-generated vs. manual subtitles.
- ▶ Designed a clean REST API layer in Flask to decouple transcript extraction, prompt engineering, and summary delivery, making the system modular and extensible.

#### AI Resume Screener — *Python · Flask · OpenAI GPT API*

- ▶ Developed an intelligent resume screening tool that accepts job descriptions and candidate resumes, then uses GPT to score and rank candidates based on skills alignment and experience relevance.
- ▶ Engineered a structured prompt pipeline to extract key qualifications, identify gaps, and produce a recruiter-friendly summary report per candidate.
- ▶ Built a Flask REST API backend to handle multi-resume batch processing, enabling scalable screening workflows without manual review overhead.

#### Stock Market Prediction Model — *Python · Scikit-Learn · yfinance · Streamlit*

- ▶ Developed an end-to-end equity trend forecasting system using Linear Regression trained on historical market indicators from the yfinance API.

- ▶ Built an interactive Streamlit dashboard for real-time performance visualization, making model outputs accessible to non-technical users.

### Healthcare Platform with Integrated AI Chatbot — Node.js · Express.js · JavaScript

- ▶ Engineered a full-stack digital health application with practitioner registration workflows and a conversational AI assistant for patient queries.
- ▶ Designed a secure, RESTful backend API in Node.js to manage data parsing, authentication, and conversational session flows.

### Enterprise Point-of-Sale (POS) System — C# WinForms · MS SQL Server

- ▶ Architected a 3NF-normalized relational database with stored procedures and triggers, ensuring data integrity across all transactional operations.
- ▶ Implemented modules for inventory management, billing, role-based access control, and compliance reporting in a desktop WinForms application.

### Data Structures & Algorithm Implementations — C++ · Java

- ▶ Built custom implementations of linked lists, stacks, queues, and binary trees from scratch, with documented time/space complexity analysis.
- ▶ Applied recursive problem-solving strategies to competitive-style algorithm challenges, reinforcing strong CS fundamentals.

## EDUCATION

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### B.Sc. Computer Science — Specialization in Artificial Intelligence

Sep 2023 – Present

Barani Institute of Information Technology (BIIT), Rawalpindi, Pakistan

### HSSC Pre-Engineering

Apr 2019 – May 2021

Degree College Skardu, Skardu, Pakistan

### SSC Science

Mar 2017 – Apr 2019

Public School and College Skardu, Skardu, Pakistan

## TECHNICAL SKILLS

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**AI / ML:** Regression, Classification, Feature Engineering, Data Preprocessing, Pipeline Optimization, Model Evaluation

**Languages:** Python, SQL, JavaScript, C++, Java, C#, Assembly

**Libraries & Tools:** pandas, scikit-learn, NumPy, Streamlit, Flask, FastAPI, OpenAI API, Git, GitHub, MS SQL Server, Node.js

**Practices:** OOP, Agile/Scrum, Relational Database Design, REST APIs, Prompt Engineering, Cross-browser Testing

## CERTIFICATIONS & COMPETENCIES

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- ▶ Certified Frontend Developer — DPAK-IT Skardu
- ▶ Core Competencies: Logical Analysis, Object-Oriented Programming, Relational Database Design, Agile Team Collaboration

## LANGUAGES & INTERESTS

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**Languages:** English (Professional), Urdu (Native) | **Interests:** AI Automation, Scripting, Abstract Problem Solving, Technical Literature