

# Haziq Imran | Software Engineer | Junior AI Engineer

2B, Block 6, Askari Towers 2, DHA II, Islamabad – Pakistan

• +92 309 5692161 • [i.haziq2002@gmail.com](mailto:i.haziq2002@gmail.com) • [haziqimranahmed](https://www.linkedin.com/in/haziqimranahmed/)

## Profile Summary

Motivated **Software Engineer & AI Developer** with a strong focus on **Python, Machine Learning, and NLP**. Experienced in building production-grade AI systems, integrating ClinicalBERT, rule-based models, and Logistic Regression for real-world healthcare use cases. Passionate about leveraging AI, data science, and automation to solve complex problems.

## Education

SZABIST	Islamabad
<i>BS Software Engineering</i>	2021 – Present
APS, DHA II	Islamabad
<i>Intermediate in Computer Science (ICS)</i>	2019 – 2021

## Technical Skills

**Programming:** Python (Primary), C++

**ML & AI:** Logistic Regression, TensorFlow, Scikit-learn, ClinicalBERT, PubMedBERT, Hugging Face Transformers

**NLP Tools:** Keyword/Fuzzy Matching, Text Preprocessing, Tokenization, BERT Fine-Tuning

**Databases:** MySQL

**AI Tools:** Jupyter, Hugging Face Datasets/Models, Google Colab, Pandas, NumPy, Matplotlib, Seaborn

**Version Control:** Git, GitHub

**Languages:** English (Fluent), Urdu (Fluent)

## Professional Experience

F3 Technologies	Islamabad
<i>Junior AI Engineer</i>	Jan 2025 – Aug 2025
○ Designed and implemented a <b>Medical Triage AI System</b> combining rule-based NLP, Logistic Regression, and ClinicalBERT.	
○ Developed modules for dataset generation (5,000+ synthetic patient records), preprocessing pipelines, symptom extraction, ICD-10 mappings, and severity classification.	
○ Built hybrid model logic with red-flag overrides and risk calibration using Platt scaling.	
○ Automated evaluation pipelines (confusion matrix, F1-score, over/under-triage reporting).	
○ Fine-tuned <b>ClinicalBERT &amp; PubMedBERT</b> models to improve accuracy.	

F3 Technologies	Islamabad
<i>AI &amp; Software Engineering Intern</i>	Oct 2024 – Dec 2024
○ Supported ML pipeline development, model training, and dataset curation.	
○ Debugged NLP modules and optimized model performance.	

Appians IT Solution	Lahore
<i>Android App Developer – Intern</i>	Nov 2023 – Apr 2024
○ Developed Android applications and collaborated in sprint planning.	
○ Maintained code quality and received formal Letter of Recommendation for professionalism.	

## **Projects**

---

- AI-Powered Medical Triage System – Hybrid NLP + ML model for severity classification and patient routing.
- ClinicalBERT Fine-Tuning Pipeline – Fine-tuned ClinicalBERT with Platt scaling for calibrated severity predictions.
- Symptom Extraction NLP Engine – Keyword/fuzzy matching + BERT-based embeddings for improved interpretation.
- Synthetic Healthcare Dataset Generator – 5,000+ synthetic patient records for model training/testing.
- AI Risk Scoring System – Structured patient outputs with risk probabilities and recommended actions.
- Voting Machine – Secure electronic voting interface.
- Railway Reservation System – Backend-integrated reservation platform.
- Hospital Management System – Developed modules for hospital record management.

## **Certifications**

---

- 2024:** Complete AI, Machine Learning, Data Science Bootcamp – Udemy
- 2024:** TensorFlow for AI, Machine Learning, and Deep Learning – Coursera

## **Extra-Curricular Interests**

---

Football, Gaming, Photography