

Haziq Imran | Software Engineer | Junior AI Engineer

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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 BS Software Engineering	Islamabad 2021 – Present
APS, DHA II Intermediate in Computer Science (ICS)	Islamabad 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 Junior AI Engineer	Islamabad Jan 2025 – Aug 2025
<ul style="list-style-type: none">Designed and implemented a Medical Triage AI System 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 ClinicalBERT & PubMedBERT models to improve accuracy.	
F3 Technologies AI & Software Engineering Intern	Islamabad Oct 2024 – Dec 2024
<ul style="list-style-type: none">Supported ML pipeline development, model training, and dataset curation.Debugged NLP modules and optimized model performance.	
Appsians IT Solution Android App Developer – Intern	Lahore Nov 2023 – Apr 2024
<ul style="list-style-type: none">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