Huzaifa Khalid

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SUMMARY

Computer Science graduate with hands-on experience in Machine Learning, AI, LLM integrations, and deploying end-to-end AI pipelines and ML models. Strong background in integrating ML models with full-stack applications and cloud platforms to solve real-world business problems using data-driven insights.

EDUCATION

FAST NUCES, Islamabad   **09/2021 - 01/2026**

Bachelors in Sciences, Computer Science

EXPERIENCE

Machine Learning Intern | *Elevvo Pathways*   **07/2025 - 08/2025**

- Gained hands-on experience in data preprocessing, model building, and evaluation across supervised, unsupervised, and deep learning tasks.
- Worked with regression, classification, time-series forecasting, and CNN-based models, applying real-world datasets.
- Strengthened understanding of ML workflows, from dataset preparation to deployment-ready model evaluation.

Full Stack AI First Web Developer Intern | *Nexium*   **07/2024 - 08/2024**

- Developed an AI-powered Blog Summarizer using NLP, integrating real-time API calls and multilingual translation.
- Designed a Smart Recipe Generator with n8n workflows, automating recipe creation, with Open Source models.

PROJECTS

SarmayaGhar | Python, ML, tensorflow, scikit-learn | *Final Year Project*   **02/2025 - 12/2025**

- Developed machine learning models (Random Forest, XGBoost, DNN) to predict property valuations and investments.
- Interactive heatmaps to visualize lucrative investment opportunities for investors, real estate agents.
- Featured LIME interpretability tools to explain pricing factors for stakeholders.
- Sentiment analysis to predict market trends and generate high ROI opportunities.

ETL pipeline for weather data extraction | *MLOPs*

- Automated weather data extraction from Open-Meteo API, loading into Postgres SQL using Apache Airflow.

E-commerce AI-powered Ad Creative Automation System | *MLOPs*   **12/2025**

- Developed an automated ad creative generator using T5 Transformer model with FastAPI, for e-commerce products.
- Architected Apache Airflow for daily product feed updates and model versioning using MLFlow for ads relevancy.
- Designed custom Prometheus/Grafana monitoring stack to track business metrics like Ad Quality Score.

TECHNICAL SKILLS

Programming: Python, JavaScript, C++

ML/AI Frameworks: scikit-learn, TensorFlow, Keras, NumPy, Pandas

Cloud Frameworks: AWS, Jenkins, Kubernetes, Prometheus, Grafana, Airflow, MLflow

Other: Git, RAG, LLM, REST APIs, MySQL, MongoDB, Postman, Docker, OpenCV, n8n, PostgresSQL

SOFT SKILLS

Problem Solving, Communication, Team Collaboration, Critical Thinker, Attention to Detail