Fatima Saleem

Work permit: Emirati (United Arab Emirates) | **Date of birth:** 18/10/2004 | **Place of birth:** Lahore |

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ABOUT ME

Results-driven AI/ML Intern and BS Artificial Intelligence student at Superior University , with hands-on experience delivering real-world machine learning and data-driven solutions. Currently contributing at **Techverx** as an AI/ML Intern, focusing on model training, deployment, and practical implementation. Successfully completed data analytics and machine learning internships with **AICP** and the **Artificial Intelligence Community of Pakistan**, gaining deep exposure to industry tools and agile project environments. Proficient in **Python, SQL, TensorFlow, Scikit-learn, Next.js**, and **Strapi**, with a strong command of **data visualization**, **EDA**, and **model optimization**. Passionate about applying AI to solve real business challenges and eager to contribute to dynamic, innovation-led teams in the UAE's growing tech ecosystem.

WORK EXPERIENCE

🏢 TECHVERX

MACHINE LEARNING ENGINEER – 01/03/2025 – 30/07/2025

Contributing to enterprise-level AI/ML projects with practical exposure to the **end-to-end machine learning pipeline**, including data collection, preprocessing, feature engineering, model training, and evaluation.
Applied **Python**, **Scikit-learn**, and **TensorFlow** to develop scalable machine learning models for classification and prediction tasks.
Conducted **exploratory data analysis (EDA)** and built **predictive models** that addressed real business use cases.
Leveraged tools like **Pandas**, **NumPy**, and **Matplotlib** for advanced data manipulation and visualization.
Collaborated with **cross-functional teams** in agile environments, contributing to brainstorming sessions, model integration, and client-focused outcomes.
Developed a deep understanding of **AI solution lifecycle**, from experimentation to deployment, aligning deliverables with industry standards.
Passionate about creating AI solutions that generate **actionable business insights**, optimize decision-making, and support innovation in fast-paced environments.

🏢 AICP PVT LTD

MACHINE LEARNING INTERN – 10/06/2024 – 09/09/2024

Designed and deployed **machine learning models** for classification, clustering, and predictive analytics to solve real-world business problems.
Conducted in-depth **exploratory data analysis (EDA)** and implemented **feature engineering** techniques to optimize model performance and accuracy.
Evaluated and fine-tuned models using a range of performance metrics including **F1 score**, **ROC-AUC**, and **cross-validation**.
Collaborated remotely with software engineers to integrate ML solutions into **production-ready applications**, ensuring scalability and real-time usability.
Delivered **data-driven insights** that directly influenced key project decisions and enhanced outcome efficiency.
Strengthened proficiency in **Python**, **Scikit-learn**, and core data science workflows while adapting to a professional, deadline-driven remote environment.

🏢 AICP PVT LTD

EXPLORATORY DATA ANALYST – 01/03/2024 – 30/05/2024

Selected for a **highly competitive remote internship program** focused on real-world data analytics and reporting.
Completed structured weekly projects that demonstrated **analytical thinking**, **technical proficiency**, and a solid grasp of data storytelling.
Applied **exploratory data analysis (EDA)** techniques to extract actionable insights, identify trends, and visualize data for business relevance.
Maintained consistent delivery under tight timelines, showcasing excellent **time management** and attention to detail.

Built a reputation as a **reliable data resource**, contributing high-quality, well-documented work in a collaborative remote environment.

EDUCATION AND TRAINING

22/10/2022 – CURRENT
BS ARTIFICIAL INTELLIGENCE Superior University

Website https://www.superior.edu.pk/ | **Level in EQF** EQF level 6

10/04/2019 – 04/07/2022
FSC PRE ENGINEERING Punjab Group of Collages

Website https://pgc.edu/ | **Level in EQF** EQF level 5

01/03/2010 – 09/10/2018
MATRICULATION AFAQ School

Website https://afaq.edu.pk/ | **Level in EQF** EQF level 3

SKILLS

Languages

Python | Next.js | Git | React | Node.js | Strapi | SQL

Frameworks

Pandas | Numpy | Matplotlib | Seaborn | Scikit-Learn | PyTorch | OpenCV | Tensorflow | Anaconda

Platforms

Visual Studio | Jupyter Notebook | Microsoft Office | Github | Microsoft Excel

Tech Skills

Computer Vision | Neural Networks and Deep Learning | Data Visualization | Artificial Intelligence | Data Preprocessing | Data Analysis | Convolutional Neural Networks | Data Science | Machine Learning

Models

Lang Chain | Large Language Models | Natural Language Processing | RAG | XGBoost | Convolutional Neural Network

Soft Skills

Report Building | People Management | Excellent Communication | problem solving | Leadership | Critical Thinking | Team Work

PROJECTS

Mental Health Disorder Prediction

Full-stack ML web app predicting mental health conditions.

Link https://github.com/Fatima-68/Menatl_Disorder_Prediction__ML.git

Shooting Game Simple Reflex Agent (Pygame)

2D Python game using simple reflex agents

Link https://github.com/Fatima-68/Shooting_game_Simple_reflex_agent_AI.git

Car Price Prediction

Predicts used car prices based on multiple features.

Link https://github.com/Fatima-68/Car_price_prediction_ML.git

Earthquake Classification Prediction Model

ML model classifying earthquake types.

Link https://github.com/Fatima-68/Earthquake_classification_prediction_ML.git

CNN-Based Image Classification (Daisy or Dandalion)

TensorFlow/Keras-based deep learning model.

Link https://github.com/Fatima-68/Daisy_or_Dandalions_using_CNN.git

Food Recipes App – Next.js + Tailwind CSS

Next.js + Tailwind CSS app using 3 data-fetching methods.

Link https://github.com/Fatima-68/Food_recipes_web_Next.js.git

HONOURS AND AWARDS

Exploratory Data Analyst Internship – AICP pvt Ltd

Conducted EDA on real-world datasets.

Link https://1drv.ms/i/s!Ak6SNv5G3MxXkEgVZuXsx41XMIac?e=zVwxs5

Machine Learning Internship – AICP pvt Ltd

Built and optimized ML models for classification and prediction.

Link https://1drv.ms/i/s!Ak6SNv5G3MxXkEeZheRxeFvl6a-B?e=5QMHPc

Introduction to SQL – Sololearn

A foundational course in SQL, gaining practical knowledge in data querying, filtering, sorting, and basic database management.

Link https://1drv.ms/i/s!Ak6SNv5G3MxXkEosgUqytrL47CoV?e=n1pfgC

Building Your first Chatbot – AICP pvt Ltd

Conducted a session on Building your first Chatbot using AI

Link https://1drv.ms/i/s!Ak6SNv5G3MxXkEmJsyujtHMFHBeD?e=5xEscS

VOLUNTEERING

Event Manager

Spearheaded planning and execution of **AI-focused events, workshops, and hackathons** aimed at fostering knowledge sharing, innovation, and collaboration in Pakistan's growing AI ecosystem.
Successfully organized and managed diverse formats of events, including **technical seminars**, **networking sessions**, and **community-driven learning meetups**.
Worked closely with speakers, industry professionals, and tech partners to ensure high-quality event delivery aligned with audience needs.
Demonstrated strong **project management**, **multitasking**, and **team leadership** by handling logistics, marketing, registrations, and post-event reporting.
Consistently received positive feedback for creating **engaging, inclusive, and impact-driven experiences** that strengthened community participation and skill development.
Proven ability to **coordinate with cross-functional teams**, manage tight timelines, and deliver successful events—skills easily transferrable to professional environments across the UAE tech and innovation sector.