

Sanawer Batool

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EDUCATION

University of Central Punjab

BS Data Science

Lahore, Punjab

Graduation Date: Jul 2026

WORK EXPERIENCE

NASA SPACE APPS - GLOBAL FINALISTS 2025

Lahore

AI/ML Technical Lead

Sep 2025 - Oct 2025

- Led the AI/ML team in NASA Space Apps Challenge project, "A World Away: Hunting for Exoplanets with AI"
- In the Top **45** GLOBAL FINALISTS 2025

REMOTEBASE - HACKFEST 3.0

Lahore

Agentic AI

Jul 2025 - Jul 2025

- Developed an AI-powered agent for SaaS product demonstrations during a national virtual hackathon

IREG-IT(Startup)

Lahore

Data Science Intern

Oct 2024 - Jan 2025

- Completed a 3-month internship at a startup, contributing to development of real world project using Python libraries and APIs

PROJECTS

A World Away-exoplanet detection

Tech: AI/ML, Scikit-learn, Kepler & Tess missions

- Developed a stacked ensemble (XGBoost, CatBoost, LightGBM) that achieved 95% accuracy on Kepler and 92% on TESS for exoplanet detection.

Lavendar AI Assistant

Tech: AI Agent, TTS, STT, Groq, ElevenLabs, OpenCV

- Built a voice-enabled AI assistant with webcam interface and chat UI

StudyQuest-RAG model

Tech: RAG, Langchain, FAISS, HuggingFace, Streamlit

- Answer questions based on uploaded PDF study notes or YouTube video transcripts

CERTIFICATES

Production Machine Learning Systems

By Google from coursera

- Learnt about Training ML models using Tensorflow on Google Cloud Platform

Google Business Intelligence

By Google from coursera

- Developed expertise in the BI project lifecycle, from data modeling and ETL to designing stakeholder dashboards and visualizations that translate data into actionable business insights.

Generative AI Application Developer

By NCEAC-HEC and Pak Angels

- Completed Generative AI Application Developer Training as a "Top Performer"

SKILLS & INTERESTS

Languages: Python, SQL, C++, C, R

Tools: Git, Docker, MLflow, FastAPI, AWS, PowerBI, Tableau, MS excel, n8n, VS code, Jupyter Notebook

Interests: Data Analysis, Business Intelligence, AI/ML, GenAI, Agentic AI, MLOps