

# 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

AI/ML Technical Lead

Lahore

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

### REMOTE BASE - HACKFEST 3.0

Agentic AI

Lahore

Jul 2025 - Jul 2025

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

### IREG-IT(Startup)

Data Science Intern

Lahore

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