SAAD HUSSAIN

+92 341 8648384 | saadhus110@gmail.com
Linkedin.com | **GitHub.com** | **Portfolio**
Peshawar,Pakistan

ABOUT ME

Aspiring AI and Machine Learning Researcher with a strong foundation in computer science, active involvement in technology communities, and hands-on project experience in chatbot development, augmented reality, and cloud applications. Committed to advancing innovative AI solutions and contributing to global research through scholarships and academic collaboration.

TECHNICAL SKILLS

Languages: HTML, CSS, Python, MySQL, MongoDB.

Technical Skills: Machine-learning,Scikit-learn,Deep learning, TensorFlow, PyTorch, Generative AI, AI Automation,Agentic AI, LangChain, LangGraph, Docker, GitHub.

PROJECTS

Recommendation System Using Deep learning

PANDAS, TENSORFLOW, STREAMLIT

Developed a website using Python library **Streamlit** which will recommend similar movies based on the user interest. The recommendation system is a content based **recommendation system** developed using **TensorFlow** and dataset used is **Netflix 2023** from kaggle.

Web-Based Heart Disease Prediction Using Machine Learning

Final Year Project

 The **Web-Based Heart Disease Prediction Using Machine Learning** project involved developing a web application that predicts the likelihood of heart disease based on a user's medical data. The system uses machine learning algorithms such as Logistic Regression and Random Forest, trained on the Kaggle Heart Disease dataset, to provide accurate predictions. Data preprocessing, feature selection, and model evaluation techniques were applied to enhance model performance. The web interface, built using Flask, allows users to input health parameters and instantly view prediction results. This project aims to assist healthcare professionals and individuals in early detection and prevention of heart disease.

EDUCATION

Bachelor of Computer Science, GPGC Mardan   **2021-2025**
Higher Secondary School, The Right Future College Takhbhai   **2019-2021**
Secondary School Certificate,MCA Shergarh   **2009-2019**

WORK EXPERIENCE

Pakistan Software Export Board - Regexbyte (SMC PVT) LTD Mardan, Pakistan
City: Mardan | **Country**: Pakistan
AI Intern [01/12/2025 – ongoing]
During my internship at PSEB, I worked on cutting-edge **AI and LLM-based solutions** focused on automation, intelligence, and personalization. My responsibilities included developing **Agentic AI systems** that can reason, plan, and execute tasks independently, implementing **Retrieval-Augmented Generation (RAG)** architectures to enable accurate, context-aware information retrieval, and building **Recommendation Systems** to improve content relevance. I also gained hands-on experience in **fine-tuning large language models**, prompt engineering, and integrating AI solutions into practical, production-oriented workflows.

National Center of Artificial Intelligence-UET, Peshawar
City: Peshawar | **Country**: Pakistan
Artificial Intelligence Internship [01/09/2025 – 01/12/2025]
My primary role is to contribute to the whole AI development lifecycle. This involves hands-on tasks such as data preprocessing, **model development**, **fine-tuning** (including prompt engineering for LLMs), and performance evaluation.My role also includes developing **RAG agents and AI agents and Automation.**

Elevvo Pathways, Cairo, Egypt - Remote
City: Cairo | **Country**: Egypt
Machine Learning Intern [01/08/2025 – 01/09/2025]
During my one-month Machine Learning Internship, I gained hands-on experience in data preprocessing, model training, and evaluation using Python and popular ML libraries such as Scikit-learn and Pandas. I worked on real-world datasets to apply algorithms like Logistic Regression, Decision Trees, and K-Means for predictive analysis and pattern recognition. The internship enhanced my understanding of the complete machine learning workflow, from data cleaning to model deployment. I also collaborated with a team to document findings and present insights through visualizations, improving both my technical and analytical skills.

CERTIFICATES

- Get Started with Python – Google
- Foundations of Data Science - Google
- Go Beyond Numbers: Translate Data Into Insights – Google
- The Nuts And Bolts of Machine Learning – Google
- The Power Of Statistics – Google
- Regression Analysis: Simplify Complex Data Relationship - Google