MUHAMMAD SHAHZAIB

🏠 Lahore, Punjab   📞 +923244951824   ✉ shahzaibkhalid.khas17@gmail.com

in www.linkedin.com/in/shahzaib-khalid-77b442300

Enthusiastic and Results-driven Computer Science graduate with a passion for Artificial Intelligence, Machine Learning, and Data Science. Successfully led and contributed to impactful projects including Lung Cancer Detection System. Proficient in Python, C++, and database management, with certifications from AWS and Google. A fast learner, problem-solver, and collaborative team player committed to delivering innovative tech solutions.

EDUCATION

Bachelor of Science - BS in Computer Science   Sep,2021 - Jun,2025

Bahria University CGPA (3.49)

FINAL YEAR PROJECT (FYP)

- Designed an AI-powered Lung Cancer Detection System, training the dataset on 7–8 different models, including a custom hybrid model combining CNN (**ResNet50**) and Vision Transformer (**ViT**).
- Achieved **92% accuracy**, outperforming the source dataset's original 87% accuracy, and conducted a research study comparing pretrained models vs. hybrid architectures.
- Developed a separate LLM-based chatbot for lung disease awareness, built an API using FastAPI, and planning for future deployment.
- Currently writing a research paper focused on enhancing performance using CNN + Transformer-based models for medical image classification.

CERTIFICATIONS

IT Automation with Python	Google
AI For Everyone	DeepLearning AI
Machine Learning Foundation	AWS
Introduction to Cloud	AWS

SKILLS

Programming : Python, C++, SQL

Machine Learning & AI: TensorFlow, Scikit-Learn

Data Science & Analytics: Data Cleaning, Data Analysis, Pandas, NumPy, Power BI, Statistical Analysis

Databases: MySQL, MS SQL Server

Cloud & Deployment: AWS, Google Collab

AWARDS/ACTIVITIES

- Participated in **Deloitte** Job Simulation through Forage
- Participated in **Codex**, showcasing problem-solving and technical skills.
- Participated in the **NETSOL** Technologies Hackathon, reaching the 68 out of 250+ teams.

TERM PROJECTS

Compiler

Compiler performing tokenization, lexical analyzing, syntax analyzing, three address creation. It was made using C++.

Process Scheduling Simulator

Scheduling simulator using C++ performing FCFS, SJF, SRTF, Round Robin

Computer Based Test CBT

Implementation of various concepts of C++ while creating user defined functions and displaying result

Landing Page

Demonstration of learning outcome of basic Html and CSS.