

SAWAIRA MALIK

BIV 1520, Muslim Town, Rawalpindi | sawairamalik016@gmail.com | 0337-9234267

PROFESSIONAL SUMMARY

Computer Science graduate with hands-on machine learning experience, including designing and training a CNN-based diagnostic model for early-stage Alzheimer's detection using MRI data as a capstone project. Skilled in Python, data preprocessing, and model evaluation, with a strong foundation in programming and web development. A fast learner eager to apply academic knowledge to real-world challenges in a growth-oriented role.

EDUCATION

Bachelor of Science in Computer Science

2022 – 2026

National University of Modern Languages, Islamabad | CGPA: 3.16 / 4.0

Intermediate (ICS)

2019 – 2021

Punjab College 82-A, Rawalpindi | Score: 81%

Matriculation (Computer Science)

2017 – 2019

Govt Girls High School, Muslim Town, Rawalpindi | Score: 87.7%

TECHNICAL SKILLS

- Programming Languages: Python, Java, C++
- Machine Learning & Data: scikit-learn, TensorFlow/Keras, Pandas, NumPy, Data Preprocessing, CNN Model Training & Evaluation
- Web Development: HTML, CSS, Responsive Design
- Productivity: Microsoft Office (MOS Certified)

PROJECT

MRI-Driven Alzheimer's Diagnosis System — Final Year Project

- Designed and trained a CNN-based machine learning model to classify MRI brain scans for early-stage Alzheimer's detection.
- Applied data preprocessing techniques (normalization, augmentation, train/test splitting) to prepare MRI imaging data for model training.
- Evaluated model performance using standard classification metrics, iterating on architecture and hyperparameters to improve diagnostic accuracy.

CERTIFICATIONS

- Microsoft Office Specialist (MOS) 2016 — December 2021

LANGUAGES

Urdu (Native/Bilingual) | English (Professional) | German (Elementary)