

ABDULLAH ALTAF

@ CONTACT

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📍 Lahore

🌐 [GitHub Profile](#)

🌐 sleeping3119.github.io

🎓 EDUCATION

Bachelor of Science

Computer Science Information
Technology

University

📅 July, 2026

📍 Lahore

Relevant courses

- Artificial Intelligence with Deep Learning
- Blockchain & DApps
- Spatial Data Science
- Operating Systems
- Artificial Neural Networks

Higher Secondary School Certificate

Pre-Engineering

Garrison Cadet College

📅 2021

📍 Kohat

🎓 Percentage: 90%

Secondary School Certificate

Garrison Cadet College

📅 2019

📍 Kohat

🎓 Percentage: 89%

👤 WORK EXPERIENCE

IT / MIS Intern

Sui Northern Gas Pipelines Limited (SNGPL)

📅 Aug 2025 - Sep 2025

📍 **Gulberg, Lahore**

- Processed and validated over 10,000 consumer meter records using MySQL and Excel, ensuring data accuracy for analysis.
- Executed data cleaning and integrity checks on a dataset of over 10,000 records.
- Structured and prepared 2+ monthly datasets using Python and Excel for the Head Office, enhancing data accuracy and visibility for decision-making.
- Supported MIS operations for a utility company, enhancing data reporting efficiency by 30% using Python scripts.

AI / ML Intern (RAG Chatbot Developer)

Minhaj University Lahore

📅 Sep 2025 - Nov 2025

📍 **Township, Lahore**

- Built RAG chatbot using Python and OpenAI SDK; increased response accuracy by 80%.
- Developed document ingestion, embedding, and semantic search pipelines using Python and TensorFlow, improving data retrieval speed by 30%.
- Developed an automated web scraping tool using Python, extracting data from websites to enhance the company's knowledge base.
- Enhanced prompt engineering; improved retrieval logic accuracy 20% using Python.

❤️ PROJECTS

MCB Branch Placement Analysis - [Github](#)

- Conducted geospatial analysis to identify strategic locations for new MCB branches and ATMs based on competitor density, accessibility, and population distribution.
- Employed Kernel Density Estimation (KDE) and spatial joins to compute suitability scores and visualize results via interactive maps.
- Proposed top 3 data-driven locations for MCB expansion under both 'No Bank Area' and 'Rival Present' scenarios.

Neural Network for Skin Tone Classification - [Github](#)

- Built a custom neural network from scratch (without frameworks like TensorFlow or PyTorch) to classify skin tones into categories such as Light, Medium, Deep etc.
- Designed and trained a model using sigmoid and softmax activation functions with batch gradient descent.
- Achieved ~88% accuracy on real-world datasets with prediction logs.

Blockchain Land Registry dApp - [Github](#)

- Designed and deployed a decentralized land registration platform enabling secure property transactions via Ethereum smart contracts.

INTERESTS

Quick learner with keen interest in technology, automation, and AI. Adaptable and always eager to explore new solutions and tools.

- Chess
- Shell & Python Scripting
- Exploring Latest Technologies
- Table Tennis
- Local AI & LLM Testing
- Exploring Open-Source Tools

- Implemented features for buying/selling land, managing user balances, and fetching records using Web3.js and MetaMask.
- Enabled on-chain ownership transfer, balance tracking, and admin controls using Solidity functions.

SKILLS

Advanced:

- Linux (Command-line & Shell Scripting)
- Agentic Libraries (PydanticAI, openai-sdk, google-adk)
- MCP servers
- Rag and Vector Databases
- Python (Scripting, Fast API, Automation, Data Analysis)

Familiar With:

- MySQL (Relational Databases)
- Firebase (Authentication & Realtime Database)
- Oracle and Google cloud hosting
- Docker & Virtual Machines (Containerization & Virtualization)
- Git & GitHub (Version Control & Collaboration)