DANIYAL AHMAD

A I & S O F T W A R E E N G I N E E R

Lahore, Pakistan 📍

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PROFILE

A certified problem solver skilled in navigating challenges across diverse software systems. Adept at Software Design Principles, Patterns, and Architecture. Experienced in building AI tools. A passionate learner with a flair for mentoring.

EXPERIENCE

Aug 2024 – Present

AI CONSULTANT

@ Verituslabs, Lahore

- Consulting teams in developing AI and LLM-infused tools, and their integration into existing projects.
- Developed a system to aid a research project on spatial problem solving capabilities of multimodal AI.

Oct 2023 – Jul 2024

AI INTERN

@ Verituslabs, Lahore

- Contributed to the development of a social media mining and analysis project.
- Developed a legal documentation analysis system for constructing interactive knowledge graphs using LangChain and Neo4j.
- Built generic data extraction, preprocessing, analysis, and visualization structures.

Aug 2021 – Sep 2023

SOFTWARE ENGINEERING INTERN

@ Cross Solutions, Lahore

- Developed 70% of a community-driven tourist attractions mobile app with Flutter.
- Integrated Google Sheets API in the company's official website using JavaScript.
- Developed an LLM-based content creation system for the company's blog.

SKILLS

FRAMEWORKS & LIBRARIES

- .NET • Flutter • LangChain
- EF Core • SignalR • Scikit-Learn
- Pandas • Tkinter • Bootstrap

PROGRAMMING LANGUAGES

- Java • Python • C# • Dart
- C++ • JavaScript • SQL
- Bash • HTML • CSS

TOOLS & EXPERTISE

- Git • Docker • Linux
- Azure DevOps • Azure Portal
- ML • NLP • Mermaid

SOFT SKILLS

- Problem Solving • Mentoring
- Leadership • Teamwork
- Communication • Organizing
- Project Management

HONORS

Feb 2023 – Oct 2023

GOOGLE FOOBAR PARTICIPANT

- Level 4 • Invited by Google

Spring 2021

DEAN'S MERIT AWARD

University of Management & Technology

CERTIFICATIONS

- Problem Solving • Java • Python
- C# • SQL

EDUCATION

Oct 2020 – Nov 2024

BS SOFTWARE ENGINEERING

@ University of Management & Technology, Lahore

- CGPA – 3.62 / 4

Sep 2018 – Sep 2020

INTERMEDIATE IN COMPUTER SCIENCE

@ Government College Gulberg, Lahore

PROJECTS

EDIN | Final Year Project

- A collaboration platform for academia and industry built using .Net, React JS, and Python.
- Designed the system architecture using designated tools.
- Developed a feed recommendation engine for content personalization with neural networks using Python.
- Contributed to the development of the server-side application using .Net with EF Core and SignalR.
- Configured CI/CD with Azure DevOps and Azure Portal.

CAUSAL CHAIN ANALYSIS SYSTEM | Verituslabs

- A research-oriented project on LLM-powered causal chain extraction and analysis.
- Developing the system using LangChain.

WORDY

- A performance-oriented dictionary app powered by a 5D hashtable of AVL trees.
- Built with Python using the Tkinter library for UI.

CHOPPER CHOPPER

- A 2D platformer retro-style chopper game with a real-time terrain generation system.
- Built with .NET Framework 4.7 and WinForms.

LANGUAGES

- English – Fluent
- Urdu – Native
- Balti – Native
- Punjabi – Conversational

HOBBIES

- Table Tennis • Video Games
- Reading Literature • Problem Solving
- Watching Documentaries

PORTFOLIO

- 🌐 daniyalahmadse.github.io
- linkedin.com/in/daniyalahmadse
- github.com/daniyalahmadse
- stackoverflow.name/daniyalahmadse
- hackerrank.com/daniyalahmadse