

Muhammad Safwan Ahmad Saffi

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Education

National Textile University

Bachelor of Science in Computer Science

October 2022 – July 2026

Relevant Coursework: Physics for Computing, Communication & Presentation Skills, C++ Programming, Object Oriented Language, Data Base System, Operating System, Data Structure and Algorithm, Statistics, Operating System, Compiler, Web Development, Networking

Experience

Vast Art

GenAI Developer

Faisalabad, Punjab

June 2024 - July 2024

- Experience with generative AI applications, API implementation and Chatbot integration
- Automated web data collection is primarily achieved through web scraping and the use of APIs
- Worked and solved real world problems

Snappy Sol

Data Science Intern

Faisalabad, Punjab

June 2023 - August 2023

- Experienced in Python development
- Strategic issue analysis
- Data analysis expertise, data modeling expertise and data analysis techniques

Kips Academy

July 2022 - August 2022

- Member of the Management Staff of Educational Institute
- Act as Teacher Assistant
- Manages Class Timetable and Discipline

Shell.ai-Hackathon-2025 (Python):

- This project addresses the Shell.ai Hackathon 2025 challenge to predict 10 fuel blend properties from 55 input features. It aims to optimize sustainable aviation fuel through mathematical models and prototypes

DataVue (Python) :

- An is a revolutionary ecosystem designed to transform how we learn, understand, and apply data science. It integrates cutting-edge AI with intuitive design, offering features like AI-powered EDA, dynamic visualizations, and a 24/7 AI assistant

InfraSeek360 (TypeScript):

- This project is likely a fork of another repository, focusing on infrastructure-related search or analysis. It uses TypeScript for its implementation

NextEdge-LabLab-Hackathon (Jupyter Notebook):

- This project is a toolcalling chatbot that interacts with information on a database and answers questions without hallucinations. It was developed for the NextEdge-LabLabHackathon

Awards and Achievement

- Selected as Student Code-In Place Stanford University
- Judge Subject Matter Expert Lead: Supervised a team of 15 staff members. Evaluate projects of 150+ teams.

Competitive Programming

- MIT Informatics Tournament - Massachusetts Institute of Technology
- Calico Summer Competition by Berkley University
- 2x Harvard CS50x Puzzle Day
- 2x Meta Hacker Cup
- Advent Of Code
- Code Sprint LA

Hackathons

- 1x Won National WordPress Hackathon
- 1x Qualify in the Top 10 teams in the National

Attending 10+ International Hackathon

- 1x Shell Hackathon
- 1x NASA Hackathon
- 5x Intel Hackathon

Interests and Hobbies

- Good Athletics
- Actively participating in coding competitions & hackathons Love to tackle complex
- Data Structures and Algorithms problems
- Contributing to Open-Source projects

Leadership & Activities

- **TCF Baghbaan:** Voluntarily helping in transform the lives of the underprivileged children of Pakistan.
- **Aspire Leadership Program:** Voluntarily Leading and exchange ideas with International Colleagues.