

# Muhammad Safwan Ahmad Saffi

Faisalabad, Pakistan

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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

Faisalabad, Punjab

GenAI Developer

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

Faisalabad, Punjab

Data Science Intern

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.