

Muhammad Hassan Raza

Software Engineering student with multiple projects, as well as the determination to always learn new tools and technologies to expand my skillset. I always look forward to complex programming projects so I can spend my time breaking down the problem.

SKILLS

- Advanced C++
- Advanced English
- Advanced Communication
- Advanced Java
- Advanced Git
- Intermediate JavaScript
- Intermediate Python
- Beginner BASH
- Beginner Julia

Education

Graduating 2024

Software Engineering, FAST-NUCES – Lahore

- CGPA: 3.18
- Assistant Vice President, SOFTEC
- 3rd Place at NaSCon'22 Code Studio Competition
- Teaching Assistant for Introduction to Software Engineering
- Campus Ambassador for Cogent Labs
- VIP Management Team Lead FutureFest'23

A-Levels

Computer Science, Beaconhouse, ALJT – Lahore

- 1B, 3C; Medical Treatment during exams
- Shaukat Khanum Volunteer, Member Speech Society


O-Levels

Computer Science, Sharif Education Complex – Lahore

- 4A*, 4A
- 2 speech competitions, 1 poetry contest winner
- Highest Achiever Shield of Excellence

Projects


 **Image OCR** – Tkinter and Pytesseract - Create snapshot, export transcript

 **Linear Model Solver** – CustomTkinter and PuLP – Find optimal values, Slack, Shadow Prices

 **Bill Manager** – Separate GUI for Manager and Customer

 **Image Editor** – Mean/Median, Translate, Scale, Transform, Quantization, Derivation

 **Weather App** – Tkinter and OpenWeatherMap API, Display Temps, Sunrise, Windspeed

 **Notepad App** – Swing toolkit, Load/Create/Save text files

 **Todo Manager** – Add/Remove/Complete/Save tasks