

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 <ul style="list-style-type: none">• CGPA: 3.16• Assistant Vice President, SOFTEC• 3rd Place at NaSCon'22 Code Studio Competition• Teaching Assistant Introduction to Software Engineering
A-Levels	Computer Science , Beaconhouse, ALJT – Lahore <ul style="list-style-type: none">• 1B, 3C; Medical Treatment during exams• Shaukat Khanum Volunteer, Member Speech Society
O-Levels	Computer Science , Sharif Education Complex – Lahore <ul style="list-style-type: none">• 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