Muhammad Hassan Raza

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I am an avid believer in self-learning as well as breaking things. It's my preference to sit down with a problem and try to dissect it while listening to lots of music. I'm always looking forward to a challenge, rather than becoming complacent with solving easier problems.

SKILLS

- Advanced C++
- Advanced Java
- Advanced Git
- Intermediate Python
- Intermediate JavaScript
- Beginner ReactJS

Education

Graduating 2024 — **Software Engineering**, FAST-NUCES – Lahore — CGPA: 3.18

- Assistant Vice President, SOFTEC
- 3rd Place at NaSCon'22 Code Studio Competition
- 4th Place at NaSCon'23 UI/UX 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

Chat Application	Using MongoDB (Mongoose), ExpressJS, ReactJS, and NodeJS
Image OCR	Using Tkinter and Pytesseract to create snapshots and export transcripts
Linear Model Solver	Using CustomTkinter and PuLP to find optimal values and slack
Image Editor	Mean/Median, Translate, Scale, Transform, Quantization, Derivation
Weather App	Using Tkinter and OWM API to display temperatures, Sunrise, Windspeed
Notepad App	Using Swing toolkit to Load/Create/Save text files

References

- **Dr. Zeeshan Ali Rana**
  Assistant Professor
  zeeshan.rana@nu.edu.pk

- **Mr. Jawad Khalid**
  Lecturer
  jawad.khalid@nu.edu.pk

- **Mr. Saifullah Tanvir**
  Lecturer
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