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| Muhammad Hassan Raza | +92 335 0706014   [RaiHassanRaza@protonmail.com](mailto:RaiHassanRaza@protonmail.com)   [hassanraza22](https://www.linkedin.com/in/hassanraza22/)   [M-Hassan-Raza](https://github.com/M-Hassan-Raza)   [HassansJourney.com](https://hassansjourney.wordpress.com/)   Lahore, Pakistan  |

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

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

Education

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| 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