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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  |

SKILLS

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| * Advanced C++ | * Advanced Java * Advanced Git | * Intermediate Python * Intermediate JavaScript |

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](https://github.com/M-Hassan-Raza/ImageOCR) - Tkinter and Pytesseract - Create snapshot, highlight words, export textual transcript

## [ Linear Model Solver](https://github.com/M-Hassan-Raza/Operations_Research_Project) – CustomTkinter and PuLP – Find optimal values, Slack, Shadow Prices

## [ Bill Manager](https://github.com/M-Hassan-Raza/LESCO-Bill-Manager) - Separate GUI for Manager and Customer, Persistent data using Text Files

## [ Image Editor](https://github.com/M-Hassan-Raza/PGMImageEditor) - Mean/Median, Translate, Scale, Transform, Quantization, Derivation

## [ Weather App](https://github.com/M-Hassan-Raza/WeatherApp) - Tkinter and OpenWeatherMap API, Display Temps, Sunrise, Windspeed

## [ Notepad App](https://github.com/M-Hassan-Raza/JavaNotepad) - Swing toolkit, Load/Create/Save text files

References

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| * Dr. Zeeshan Ali Rana   Assistant Professor  [zeeshan.rana@nu.edu.pk](mailto:zeeshan.rana@nu.edu.pk) | * Mr. Jawad Khalid   Lecturer  [jawad.khalid@nu.edu.pk](mailto:jawad.khalid@nu.edu.pk) | * Mr. Saifullah Tanvir   Lecturer  [saifullah.tanvir@nu.edu.pk](mailto:saifullah.tanvir@nu.edu.pk) |