

Mustafa Faraz

mustafafaraz87@gmail.com | +92 318 5636747 | [LinkedIn](#) | [GitHub](#) | [Upwork](#)

EDUCATION

FAST National University of Computer and Emerging Sciences

B.S. in Computer Science – CGPA: 3.77 – Bronze Medalist – Dean's List

Islamabad, Pakistan

Expected Graduation, Aug 2027

The City School

O Levels – 5A*s / 3As | A Levels – 1A* / 2As – High Achiever

Islamabad, Pakistan

Graduated, Jun 2023

EXPERIENCE

Upwork

Remote

Freelance Automation & Full-Stack Engineer

2025 – Present

- Maintain a 100% Job Success Score as an Upwork Rising Talent, delivering automation and full-stack contracts for international clients from scoping through deployment and handover.
- Build Python automation pipelines with Selenium, BeautifulSoup, Pandas, and OpenPyXL — including a Google Maps extractor that harvests 2,000+ structured records — compressing weeks of manual enterprise work into runs that finish in seconds.
- Ship full-stack products end to end: React front ends on Node.js/Express REST APIs, deployed and documented for clients.

Contour Software

Islamabad, Pakistan

Development & SQA Intern

Jun 2025 – Aug 2025

- Developed features for a MERN-stack telemedicine platform, building Node.js/Express REST endpoints and React components and integrating them cleanly across client and server.
- Owned quality alongside development — manual test-case design, defect reporting, and issue tracking in JIRA — working directly with the engineering team each release cycle.

Algozen

United States, Remote

Software Engineer

Oct 2024 – Apr 2025

- Engineered and maintained a Julia-based backtesting framework, developing new computation nodes and debugging core logic for correctness and compliance with financial standards.
- Ported core components of Python's QuantStats library to TypeScript with Data-Forge and Lodash for time-series analysis.
- Replaced text-based storage with memory-mapped files, substantially improving file I/O throughput across the platform.

Habib Bank Limited (HBL)

Islamabad, Pakistan

Test Automation Engineer Intern

Jul 2024 – Aug 2024

- Designed and implemented a Python BDD automation framework with Selenium and Behave, cutting manual regression effort.
- Automated core browser workflows, widening test coverage and improving run-to-run reliability across releases.

PROJECTS

[Parallel Heat Equation Solver](#) | C++, MPI, OpenMP

- High-performance parallel solver for the 2D heat equation using domain decomposition across MPI processes plus OpenMP shared-memory threading; benchmarked across process/thread configurations for speedup, efficiency, and scalability.

[ALPR – Automatic License Plate Recognition](#) | Python, OpenCV

- End-to-end license plate detection and recognition built purely from Digital Image Processing primitives — preprocessing, edge detection, plate-region segmentation, and character recognition — with no external ML APIs.

[Excel LOS Automation](#) | Python, Pandas, OpenPyXL

- Production tool for an oil-and-gas client automating a six-stage raw field-data workflow end to end — ingestion, validation, transformation, computation, and formatted Excel export — reducing a month-long manual cycle to seconds.

[Socially – Android Social App](#) | Kotlin, Firebase, WebRTC

- Android social platform with a friend system, real-time messaging, audio/video calling, stories, and a personalized feed.

SKILLS

Programming Languages: Python, C++, C#, Java, JavaScript, TypeScript, Kotlin, Julia, x86 Assembly, HTML, CSS

Technologies & Frameworks: React, Node.js, Express.js, REST APIs, MERN Stack, Firebase, WebRTC, Android Development, SFML, MPI, OpenMP, OpenCV, Selenium, Behave, Pandas, NumPy, BeautifulSoup, Data-Forge, Lodash

Tools & Concepts: Git, JIRA, Postman, VS Code, PyCharm, Visual Studio, Android Studio, OpenPyXL, Full-Stack Development, Backend Development, API Integration, Test Automation, BDD, Software Testing, Automation, Computer Vision, Parallel Computing, OOP