Nehal Asif

✉ nasif1731@gmail.com — 📞 03047466618
📍 Gulshan e Hayat, Faisalabad, Pakistan
in LinkedIn — ○ GitHub — Ⓜ Medium

Personal Summary

Results-driven Software Engineering student with a strong foundation in C++, Python, Java, and full-stack web development. Passionate about machine learning, data analysis, and UI/UX design, with hands-on experience in AI-driven projects, large-scale data processing, and automation. Strong analytical skills, technical documentation expertise, and a track record of academic excellence. Seeking opportunities to contribute to innovative software and AI projects.

🎓 Education

FAST NUCES, Faisalabad, Pakistan *July 2022 – Present*
Bachelors in Software Engineering
CGPA: 3.89/4.00 — **Gold & Silver Medallist (Multiple Semesters)**

Punjab Group of Colleges, Faisalabad, Pakistan *Aug 2019 – Aug 2021*
FSC. Pre-Engineering — **1066/1100**

The Educators, Faisalabad, Pakistan *2017 – Aug 2019*
Matriculation in Sciences — **1024/1100**

</> Technical Skills

Programming: C++, Java, Python, Haskell, NuSMV, HTML, CSS, JavaScript
Databases: Oracle, MySQL, MongoDB
Web Development: React.js, Node.js, Express.js, Figma, UI/UX Design
Software & Tools: Git, GitHub, Adobe Illustrator, Canva, Microsoft Office Suite
Data Science & ML: Pandas, NumPy, Matplotlib, Scikit-learn, PyTorch
Specialized Skills: Model Checking, Data Analysis, AI-Powered Automation

💼 Experience

Teaching Assistant - Discrete Structures *Jan 2024 – June 2024*
- Assisted in designing course content and assignments. - Guided students in understanding discrete mathematics, logic, and proofs.

Teaching Assistant - Programming Fundamentals *Aug 2023 – Jan 2024*
- Conducted coding labs and debugging sessions for C++ programming. - Helped students with algorithm design, problem-solving, and efficiency optimization.

🔀 Projects

- **NeurIPS Scraper and Annotator** – Built an automated system for scraping and classifying NeurIPS research papers using Python and LLMs, reducing manual work by 80%.
- **KitaabScript** – Developed an Arabic-Urdu text editor in Java with structured design patterns and enhanced user interaction features.
- **Railway Management System** – Created a desktop application using C# .NET Framework and Oracle DB, streamlining railway operations.
- **Factors Affecting Anemia in Children** – Analyzed medical datasets using Python (Pandas, OLS Regression) to identify risk factors, presenting insights through visualizations.
- **Eventify** – Designed an event management platform with Figma, HTML, CSS, and JavaScript, improving user engagement through an intuitive UI.

🏆 Academic Achievements

- Honourable Mention at MUN held at FAST-NUCES PWR
- Winner of 'Battle 1o1 (Coding Competition)' 2022 in teamwork at FAST-NUCES CFD
- **Gold Medals:** Fall 2022 (GPA: 4.0), Spring 2023 (GPA: 3.79), Spring 2024 (GPA: 3.81)

- **Silver Medals:** Fall 2023 (GPA: 3.92), Fall 2025 (GPA: 3.86)

💡 Areas of Interest

- Machine Learning and AI
- Full-Stack Web Development
- Data Science and Automation
- UI & UX Design

🖌 Hobbies

- Arabic Calligraphy
- Book Reading
- Graphic Designing