Laiba Noor

Passport: UE000711   **Nationality:** Pakistan   **Date of Birth:** November 27, 2002

Gender: Female   **Languages:** English (Proficient), Urdu (Native)

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Research Interests: Full-Stack Intelligent Systems, Data Preprocessing and Analytics, Web and Software Systems, AIEnabled Applications , Computer Vision.

ABOUT ME

A motivated Software Engineering graduate with a strong academic record (**CGPA 3.72**) and hands-on experience in Artificial Intelligence, Machine Learning, and Web Development. Skilled in designing innovative solutions through academic projects, internships, and freelancing. Passionate about applying AI and software engineering skills to solve real-world problems and contribute to research and industry innovation.

EDUCATION

Bachelor of Studies in Software Engineering – HU Mansehra, Pakistan [09/2021 – 07/2025]

Hazara University Mansehra - https://www.hu.edu.pk/

CGPA on 4 Scale: 3.72 | **Rank:** Top 8% of Software Engineering Batch (2021-2025)

Thesis Advisor: Assistant Professor Mr .Ghulam Mustafa

Thesis Title: Design and Implementation of a **Malware Detection and Threat Intelligence System** for Enhancing Cybersecurity in Modern Computing Environments

Major Courses: Programming Fundamentals, Object-Oriented Programming, Data Structures and Algorithms, Database Systems, Operating Systems, Computer Networks, Software Engineering, Software Design & Architecture, Web Engineering, Mobile Application Development, Human–Computer Interaction (HCI), Software Project Management, Requirements Engineering, Software Quality Assurance & Testing, Artificial Intelligence, Machine Learning, Cybersecurity, Final Year Project (Capstone).

RESEARCH PROJECTS

Malware Detection and Threat Intelligence System (Final Year Project) [04/2025 – 05/2025]
- Developed a hybrid malware detection system integrating **machine learning models (Random Forest, XGBoost)** with **threat intelligence APIs** (VirusTotal, Hybrid Analysis, OpenCTI).
- Implemented static analysis to classify malware and generate detailed reports with Indicators of Compromise (IOCs) and risk levels.
- Improved detection Built and deployed using Python (Flask), PostgreSQL, HTML, CSS, and JavaScript..

Medical Image Analysis Application [07/2024 – 08/2024]
- Designed and implemented a front-end interface for a medical image classification system.
- Enabled users to **upload medical images** and receive predictions from ML models with drag-and-drop support.
- Ensured responsiveness across devices using **HTML, CSS, and JavaScript**.

Visual Search Engine [09/2023 – 10/2023]
- Built a content-based image retrieval system to identify and retrieve visually similar images.
- Designed full-stack functionality including **front-end UI, image processing pipeline, and database management**.
- Applied Utilized Python, PostgreSQL, and JavaScript for efficient search and retrieval.

Medical Appointment System [02/2025 – 03/2025]
- Developed a **Python-based medical appointment scheduling system** during internship at Infotact Solutions.
- Strengthened backend development and UI design skills by building appointment booking and management features.
- Delivered a practical solution for healthcare providers to streamline patient scheduling.

E-Commerce Website
- Developed a multi-page e-commerce website from scratch using **HTML, CSS, and JavaScript**.
- Applied responsive design principles to ensure optimal user experience across devices.
- Implemented a secure payment gateway and dynamic product display features.

WORK EXPERIENCE

- ### Full Stack Developer Intern – ITSOLERA Pvt. Ltd. (Islamabad, Pakistan) [07/2024 – 10/2024] www.itsolera.com
  - Built **responsive and user-friendly web interfaces** using HTML, CSS, and JavaScript.
  - Collaborated with backend teams to integrate APIs and enhance overall web app performance.
  - Applied best practices in **front-end coding standards** and ensured **cross-browser optimization**.
  - Contributed to creating scalable, maintainable, and high-performing web applications

Python Development Intern – Infotact Solutions (Bengaluru, India) [02/2025 – 03/2025] https://infotact.in/
- Developed **Python-based solutions** with a focus on file handling, debugging, and database operations.
- Gained experience in **API integration** and improved project documentation practices.
- Worked on real-world projects that enhanced problem-solving and clean coding skills.

- Strengthened overall programming expertise and understanding of backend development workflows.

Digital Marketing Specialist & E-Commerce Manager
- Managed e-commerce operations, social media marketing, and brand management for multiple clients.
- Created visual content (canvas designs, banners, posts) and executed online advertising campaigns.
- Handled client hunting, promotional strategies, and cross-platform social media management.
- Worked with companies including Zobil Company for digital marketing and e-commerce initiatives.

COURSES AND WORKSHOPS

- AI for Product Managers (Masterclass) – *HELLOPM* (Jul 2025)
- Web Bootcamp with LLM Workflows – *Full-stack web development with AI integration (HTML, CSS, JavaScript, React, Node.js, Express, MongoDB, LLM).*
- Build .NET Applications with C# Workshop – *Microsoft Learn Student Ambassadors* (2025).
- Complete WordPress Developer Course – *Udemy (Apr 2025).*
- Freelancing Course – *DigiSkills (2024).*
- Graphic Designing – *Coursera (Dec 2023).*
- Crash Course on Python – *Google (2023).*
- HTML, CSS & JavaScript for Web Developers – *Coursera (2023).*
- Freelancing Session – *Tech Insights (2025).*
- XCEED2025 Participation – *Xounty & G17 SMIU Chapter (2025).*
- Full Stack Web Developer Session – *Microsoft Student Ambassadors (Mar 2025).*
- Information Security Webinar – *Tech Hierarchy (Jan 2025).*
- Breaking the Thalassemia Barrier – *Qalb Welfare Foundation (Feb 2025).*
- Mastering the Money Game: Brand, Skills & Sales – Webinar (Jan 2025).

ACHIEVEMENTS

- Top Scorer in Intermediate & Matriculation ,Tameer-I-Nau Public School & College (2020)
- Consistently ranked among the top students in the Software Engineering program (CGPA 3.72/4.0),Hazara University (2025)
- Successfully managed an E-Commerce business as an entrepreneur.
- Completed multiple internships in Python Development and Full-Stack Web Development.

TECHNICAL SKILLS:

- **Programming & Scripting:** Python, C, C++, JavaScript, HTML, CSS
- **Frameworks & Tools:** FastAPI, Flask, PostgreSQL, MS SQL Server,OpenCV
- **Web Development:** Full-Stack Development, Responsive Design, REST API Integration
- **Other Skills:** Graphic Design, Freelancing, Digital Marketing.
- **Soft Skills:** Teamwork, Communication, Problem-Solving, Decision-Making.

English Proficiency

English Proficiency Certificate (Hazara University)

REFEREES

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