

Hira Iftikhar

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Karachi, Pakistan

Objective

Motivated third-year Computer Science student with strong problem-solving skills and proficiency in C/C++, Java, and Python. Experienced in data analytics and visualization, with a growing focus on AI and machine learning. Eager to apply analytical skills to real world datasets and contribute to innovative, AI-driven solutions in a collaborative environment.

Education

FAST - National University of Computer and Emerging Sciences *August 2022 – Present*
BS in Computer Science, Karachi, Pakistan
CGPA: 3.12

Character Building Society (CBS) – FAST-Karachi *2023 – 2024*
Coordinator
A student-led organization promoting community service, humanitarian efforts, and social responsibility. Awarded **Star performer** for outstanding contributions during tenure.

Technical Skills

- **Languages** C/C++, Python, Java, SQL, HTML/CSS, JavaScript
- **Frameworks** React, Flutter, Node.js, Express.js, Next.js, Bootstrap, WordPress
- **Databases** MongoDB, PostgreSQL, MySQL
- **Tools** Docker, Jira, Git, GitHub
- **Courses Taught:** Artificial Intelligence, Machine Learning, Deep Learning, Neural Networks, Software Development

Projects

Blood Bank Management System (BBMS) [GitHub](#)
C++, Object-Oriented Programming (OOP) – A console-based system to manage blood donations and transfusions.

- * Developed C++ system for blood donation management with file persistence.
- * Implemented blood-type compatibility checks and inventory tracking.

Person Recognition using Gait Matching [GitHub](#)
Python, OpenCV, PyTorch, Scikit-learn – Deep learning system for identifying individuals based on their gait.

- * Achieved 96.65% accuracy using ResNet-101 model.
- * Implemented Kurtosis-Controlled Entropy for feature selection.

Preloved Fashion Platform [GitHub](#)
MERN Stack (MongoDB, Express, React, Node.js), JWT – An online marketplace to buy and sell second-hand clothing.

- * Built full-stack e-commerce platform with authentication.
- * Developed recommendation engine using collaborative filtering based on pricing, most selling and order history.

Event Management System [GitHub](#)
Flutter, Node.js, Express.js, MySQL – A multi-role event planning app for organizers, attendees, and admins.

- * Created cross-platform app with role-based access control.
- * Automated event workflows including venue allocation.

Skill Bridge – Career Empowerment Platform [GitHub](#)
React.js, Node.js, NLP, Express.js – AI-powered platform to analyze skill gaps, build learning paths, and match jobs.

- * Implemented NLP-based Skill Gap Analyzer to compare user profiles with desired roles.
- * Integrated AI resume generator, personalized learning pathways, and WhatsApp microlearning.
- * Secured Runner-Up position at Developers Day 2025 hackathon.

Experience

M-Labs Summer Program 2024 *Jun 2024 – Aug 2024* [Globe](#) [in](#)
Intern – Game Development, Karachi, Pakistan

Developed and optimized core game mechanics in Unity, improving performance and gameplay.
Implemented interactive features to enhance user experience and engagement.
Gained hands-on experience in game development, collaborating on design, scripting, and debugging.

Interns Pakistan *Aug 2023 – Sep 2023* [Globe](#) [in](#)
Frontend Web Developer – Internship, Karachi, Pakistan

Completed a 1-month internship focused on enhancing frontend and backend development skills through practical experience.
Built interactive web features and improved understanding of responsive design and coding best practices.

Collaborated on real-world projects, strengthening problem-solving and teamwork abilities.

Concluded the internship by creating a WordPress website on my favorite topic, *Tea*, utilizing themes, plugins, and customization tools to build a fully functional and visually appealing site.

Additional Information

Certification - Coursera: [Web Development Certifications - Dev Town:](#) [Python Programming](#), [Git](#), [GitHub](#) and [Version Control](#), [Python and AI](#), [Hotstar Clone using Web Development](#).