IQRA RIAZ

Web Developer

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PROFILE

Bioinformatics graduate transitioning into web development, currently building practical skills in HTML5, CSS3, JavaScript (ES6+), and React. Brings a strong programming and analytical foundation from a research-intensive MS thesis involving Python, Linux/Unix, and large-scale data analysis. Comfortable with independent learning, structured problem-solving, and working in Linux-based environments, currently expanding this foundation into full-stack web development.

EXPERIENCE

Web Development Intern

PNY Trainings — Arfa Kareem Software Technology Park, Lahore

March 2026 – June 2026

- Built responsive, interactive UIs using HTML5, CSS3, and JavaScript with cross-browser compatibility
- Developed reusable components with React fundamentals, styled using Tailwind CSS
- Worked on backend integration with Node.js, contributing to full-stack feature development

EDUCATION

NUST, Islamabad 2026
Master of Bioinformatics

COMSATS University Islamabad, Sahiwal Campus 2023
Bachelor of Bioinformatics

TECHNICAL SKILLS

Frontend: HTML5, CSS3, JavaScript (ES6+), React fundamentals, Node.js, Tailwind

Programming & Scripting: Python, R, Bash (basic)

Environments: Linux/Unix command line, version-controlled workflows

Data & Analysis: Data cleaning, statistical analysis, data visualization, structured problem-solving

Currently Learning: Backend fundamentals, REST APIs, database-driven applications

RELEVANT PROJECT / RESEARCH EXPERIENCE

MS Thesis: Comparative Genomic Insights into *Akkermansia muciniphila* spp. for Unveiling Potential Therapeutic Targets

- Built and executed multi-step computational pipelines in a Linux environment, applying the same scripting, debugging, and logical-structuring skills used in software development.
- Processed, cleaned, and interpreted large genomic datasets using Python and R, directly transferable to handling data and logic in web applications.
- Independently learned and applied new tools and technical workflows to solve an open-ended research problem, from planning through to final analysis.