MUHAMMAD HAMZA

Full Stack Developer | Python Engineer | Web Scraper

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PROFESSIONAL SUMMARY

Motivated undergraduate Software Engineering student (6th semester) with three months of internship experience, contributing to real-world projects, including SaaS applications, by designing, developing, and optimizing web-based solutions. Proficient in Python, Full-Stack Web Development (Flask, FastAPI, React), Web Scraping, API integration, and Database Management. Experienced in collaborating on team projects, debugging complex issues, and implementing efficient, scalable solutions. Actively seeking internship or junior-level opportunities in Full-Stack Development, Python, Artificial Intelligence, or Mobile App Development. Passionate about leveraging advanced AI tools, modern software practices, and innovative technologies to build high-quality applications that solve real-world problems.

TECHNICAL SKILLS

Programming Languages	Frontend Development
Python, C++, PHP, JavaScript, HTML, CSS	React (Beginner), Bootstrap, Tailwind CSS, HTML5, CSS
Backend Development	Databases
Flask, Django, FastAPI	MySql, SQLite3, SQLAlcemy
Web Scraping & QA	Tools & Platforms
BeautifulSoup, Selenium, PyTest, JUnit, Katalon	Git, GitHub, VS Code, Figma, BrowserStack

KEY PROJECTS

Quiz Application (SaaS-Based Assessment Platform)

Stack: HTML, CSS, Bootstrap, JavaScript, PHP, MySQL

- Designed and developed a complete quiz management system independently as a SaaS solution for multiple organizations.
- Implemented a secure quiz environment with minimal cheating and AI-based evaluation for subjective questions.
- Enabled custom branding for organizations and quiz creation via MS Word upload or manual entry

UI Feedback & Analysis System

Stack: HTML, Tailwind CSS, JS, Flask, MySQL

- Created a system that identifies UI/UX issues and provides automated feedback and actionable recommendations.
- Implemented image-based UI analysis with scoring and chat history storage for tracking evaluations.

Personal Developer Portfolio

Stack: React, FastAPI (Admin Panel)

- Built a modern, fully functional personal portfolio showcasing projects and skills with smooth animations and responsive design.
- Developed an admin panel to enable dynamic content management.

PROFESSIONAL EXPERIENCE

Full Stack Intern
Nov 2025 – Jan 2026

DevSpire Solutions

- Developed the Quiz Application as a full-stack intern, managing the entire lifecycle from frontend to backend.
- Designed an end-to-end system including database architecture and user interface.
- Implemented secure quiz workflows and integrated AI-based subjective evaluation features.
- Enabled custom organization branding and advanced quiz management capabilities.

EDUCATION

Bachelor of Software Engineering (6th Semester)
2023 – Expected 2027

City University of Science & Information Technology (CUSIT)

Higher Secondary Education (FSc / Intermediate)
2021 – 2023

Peshawar Model Degree College, Peshawar

Matriculation
2019 –2021

Edwardes College School Wing 2, Peshawar

CERTIFICATIONS & PARTICIPATION

- **Python Programming** – Harvard (2024)

- **Networking, HTML, CSS, JS Essentials** – Cisco NetAcad (2023)

- **Visio Spark Programming Competition** – Participant (Python)

LANGUAGES

- English: Professional Working Proficiency

- Urdu: Native / Fluent

INTERESTS

- Artificial Intelligence (Learning advanced tools)

- Mobile App Development (Learning Flutter/React Native)

- Web Development & Full-Stack Projec