Muhammad Asif Shahzad

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Objective:

I am a versatile web developer and Python enthusiast with expertise in frontend and backend development. Using HTML, CSS, and JavaScript, I bring designs to life and create seamless user experiences. As a Python developer, I build robust applications for data analysis, automation, and machine learning. I also have hands-on experience with Raspberry Pi and IoT, exploring embedded systems. With attention to detail and problem-solving skills, I thrive in collaborative environments, delivering projects that exceed expectations. I am constantly learning and staying updated with industry trends to bring cutting-edge techniques to my work.

Education:

- **Degree:**   Master of Computer Science
- **Institution:**   COMSATS University, Islamabad
- **Year of Graduation:**   2016

Skills:

- Web Development: HTML, CSS, JavaScript, React, Angular, Node.js, Django, RESTful APIs, Git
- Python Programming: Python, Flask, Django, NumPy, Pandas, TensorFlow, OOP
- Embedded Systems: Raspberry Pi, Python, Sensor Integration, IoT
- Database Systems: MySQL, PostgreSQL, MongoDB
- Problem-Solving: Analytical Thinking, Troubleshooting, Debugging
- Software Development Lifecycle: Agile Methodology, Scrum
- Communication: Strong Verbal and Written Communication, Collaboration

Experience:

- Company Name: Technology College, Bahawalpur
  Position Title: Teacher
  2016-2022
- Developed responsive and user-friendly web applications using HTML, CSS, and JavaScript, resulting in improved user experience and engagement.
- Implemented server-side functionalities using Node.js and Django, enhancing the performance and scalability of web applications.
- Integrated RESTful APIs for data retrieval and manipulation, ensuring seamless communication between various system components.
- Collaborated with cross-functional teams to gather requirements, design solutions, and deliver projects within specified timelines.
- Utilized Git for version control, enabling efficient code management and collaboration with team members.

- Conducted thorough testing and debugging of web applications to ensure high-quality deliverables.
- Actively participated in Agile development methodologies, including daily stand-ups, sprint planning, and retrospectives.

Projects:
- **Weather Station:** Developed an IoT system using Raspberry Pi, Python, and various sensors to monitor and control environmental conditions in real-time.
- **RFID:** Developed an IoT system using Raspberry Pi, Python, and RFID sensors to monitor user in real time.
- **PORTFOLIO**: created a web application using NextJs and Tailwind CSS my own portfolio.
- **HACKATON:** created a web application using NextJs and Tailwind CSS for online shopping, incorporating secure payment gateways and user authentication.
- **HOME AUTOMATION:** Designed and implemented a home automation system using Arduino, allowing remote control of appliances through a web interface.

Certificates and Courses:
- **Credly Profile:** https://www.credly.com/users/muhammad-asif-shahzad.caac3d70
- Introduction to Cybersecurity https://www.credly.com/badges/6031447e-afb1-4976-925c-fb5a42ac9249/public_url
- MTA: Introduction to Programming Using Python - Certified 2021 https://www.credly.com/badges/ddc9549c-4fca-416e-94ed-7431e5c2681a/public_url
- Google IT Automation Certificate https://www.credly.com/badges/4515aea8-929a-45ba-96e1-edc237f82323/public_url
- Data Analytics Essentials https://www.credly.com/badges/fd02768c-3cf1-458d-bf45-dd30fa91f402/public_url

Languages:
- English (Fluent)
- URDU (Fluent)

References:
- Available upon request