



Ali Raza Baig

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ABOUT ME

I am a dedicated professional with a **BS in Physics**, currently completing my **final report in Computational Physics**, combining theoretical knowledge with computational and analytical skills. I also have hands-on experience in **full-stack web development**, building projects using **MERN stack, React.js, Node.js, Express, and WordPress**, including multi-language websites and IoT applications. I enjoy **solving complex problems**, applying scientific reasoning and programming expertise, and working independently or collaboratively. I aim to contribute to **innovative solutions** that bridge **physics, computation, and software development**.

EDUCATION AND TRAINING

BS Physics

University of Agriculture Faisalabad [15/09/2022 – Current]

Level in EQF: EQF level 6

Academic Projects & Computational Work

1. Final Year Project (Semester 7): Home Monitoring System

- Designed and implemented a system to calculate and store user electricity consumption data.
- Independently developed system logic, data processing, and device-to-software connectivity.

2. Current Academic Work (Semester 8): Computational Physics

- Preparing a technical report focused on computational and numerical methods, simulations, and data-driven problem solving in physics.

WORK EXPERIENCE

Engine Finder – London, United Kingdom

Web Development & Management (Online)

[01/08/2025 – Current]

- Created and managed static web pages for **Engine Finder** (<https://enginefinders.co.uk>)
- Managed web hosting, domains, and basic website configurations
- Also work on **Elite Plate** website an custom number plate builder site.

SMB Digital Zone – Dubai, United Arab Emirates

MERN Stack Developer Intern (Paid - Online)

[15/06/2025 – 15/09/2025]

- Developed and maintained full-stack web applications using the MERN stack
- Built a multi-languages in **Dubai Naked** website as part of internship project
- Worked on **WeeShare** platform development and maintenance

- Implemented REST APIs, managed database operations, and integrated frontend/backend components for smooth data flow
- Debugged, tested, and optimized applications for performance and responsiveness

Career Institute – Faisalabad, Pakistan

MERN Stack Developer Intern

[15/09/2024 – 31/12/2024]

- Developed **Zofa** and **Rare Gloves** frontend websites using React.js
- Built reusable components, managed global state

Self-Employed

Freelance Web / WordPress Customization

[01/04/2023 – Current]

- Built and maintained client websites, including [LeatherHubShoes](#) and [MJBMT](#), using WordPress
- Set up **Cloudflare** to improve site security and performance, and connected it with hosting and **Zoho** services (<https://nidripcentralelectronics.co.uk>)
- Managed website content, and designed and published personal projects on **Blogspot**

PROJECTS

[15/10/2025 – 15/01/2026]

Home Monitoring System (Final Year Project – Semester 7) Developed a **Home Monitoring System** to measure, record, and visualize electricity consumption data for users. The project combined **embedded electronics and full-stack web development**:

- Used **ESP32 microcontroller** and **PZEM V3 energy meter** to collect real-time electricity consumption data
- Built a **backend** with **Node.js** and **Express** to handle data storage, processing, and API endpoints
- Developed a **frontend** using **Next.js** for interactive data visualization and user interface
- Implemented end-to-end system integration, enabling real-time monitoring and efficient data management
- Gained experience in **IoT**, **data acquisition**, **computational logic**, and **full-stack web technologies**

SKILLS

Javascript (React.js) / Javascript(Nodejs, ExpressJs) / Python Basic / PHP Basic / Node.js

Full Stack Development

Solid foundation in Backend Development: NodeJS, NestJS, etc. / Web Frontend: ReactJS, NextJS, Nodejs, Bootstrap 5, Tailwindcss, Flexbox / Databases : MySQL , MongoDB

Content Management (CMS)

WordPress / WordPress (Theme Customization) / Plugin Customization / Blogspot

Tools & Platforms

Git/Github, Docker, Gitlab / Postman

RECOMMENDATIONS

Name: Simo Berrada | CEO SMB DigitalZone

Ali is a skilled web developer with hands-on experience in MERN stack and WordPress, delivering efficient, reliable, and user-friendly solutions.

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