Sardar Noman Shakir

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Education

COMSATS University, Abbottabad   *2022 – 2025*
Bachelor of science in Software Engineering (CGPA: 3.61 / 4.00)   *Abbottabad, Pakistan*

- **Last Semester's GPA:** 3.4
- **Relevant coursework:** Data Structures and Algorithms (Java), Object Oriented Programming, Web Development, Database Systems, Computer Networks, Software Design and Architecture

Technical Skills

Languages: C, Java, PHP, JavaScript
Technologies: React.js, NEXT.js, NodeJS, MongoDB, MySQL, Git
Concepts: Backend, Frontend, APIs, Relational Databases, Agile Methodology, Networking protocols

Experiences

Web Development   *2024 - Present*
                                                                           Abbottabad

experience in front-end technologies and frameworks, including:

- Proficient in HTML, CSS, and JavaScript for building responsive and interactive web applications.
- Developed applications using React and Next.js, incorporating functional components, props, JSX, and routes.
- Worked with React Hooks to manage state and lifecycle events effectively.
- Integrated REST APIs to fetch and manage data dynamically in web applications.

Projects

CODECRUX | *React.js, Node.js, MongoDB*   *Aug 2024*
Frontend and Backend Development

- Developed a comprehensive coding question platform using React.js for an interactive and dynamic frontend.
- Integrated user authentication, coding problem creation, and submission functionalities with real-time feedback mechanisms.
- Designed a non-relational MongoDB database structure for handling coding questions, user data, and submission records with efficient querying.
- Leveraged Node.js for backend operations, managing API endpoints, session handling, and user authentication using JWT.
- Implemented secure and scalable CRUD operations, ensuring data consistency and enhancing user experience with efficient query management.
- Designed responsive UI elements and form validations to create a smooth user interface for browsing, solving, and submitting coding challenges.

Semester Projects   *2022 - 2024*
Frontend and Backend Development

- **Java** / Made a GUI-based Calculator app to hone skills in Java Development.
- **C** /Developed a movie streaming platform that provided tailored movie recommendations based on user age groups, ensuring an age-appropriate viewing experience.
- **Web Development** / Made GUI Calculator in React.js to know about its basic concepts.

Certifications

Programming for Everybody (Getting Started with Python)   *2023*
Coursera

Python for Data Science, AI and Development   *2023*
Coursera