

AYESHA MARYAM

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with a 3.95 CGPA and proven expertise in Full-Stack Web Development (MERN Stack), AI-driven applications, and backend engineering. Skilled in designing, developing, and deploying scalable, responsive, and data-driven web applications. Adept in JavaScript (ES6+), React.js, Node.js, Express.js, MongoDB, and modern UI/UX frameworks. Strong foundation in RESTful API development, database design, and Agile methodologies. Passionate about solving real-world problems through innovative coding, AI integration, and clean, maintainable code.

EDUCATION

Bachelor of Science in Software Engineering

Sep 2021 - Jun 2025

Bahria University Islamabad

- GPA:** 4.0 / 4.0
- CGPA:** 3.95 / 4.0

Pre-Engineering (FSc)

Aug 2019 - Jul 2021

Bahria College Islamabad

- Marks:** 1081 / 1100

TECHNICAL SKILLS

Full-Stack Web Development (MERN Stack)

- Proficient in MongoDB, Express.js, React.js, and Node.js (MERN Stack) for building scalable, responsive, and data-driven web applications.

Frontend Development:

- Strong command of JavaScript (ES6+), HTML5, CSS3, React.js, Redux, Tailwind CSS, Bootstrap, Responsive & Cross-Browser Design, UI/UX Design Principle

Backend and API Development:

- Skilled in developing RESTful APIs and server-side logic using Node.js, Express.js, and Python.
- Experience integrating JWT authentication, middleware, and handling asynchronous operations effectively.

Databases:

- Experienced with MongoDB and MySQL, focusing on efficient data modeling and performance optimization.

Tools & Platforms:

- Hands-on with Git, Postman, Figma, and VS Code in Agile-based workflows, ensuring rapid and collaborative development.

Code Quality and Methodologies:

- Strong grasp of Agile methodologies, unit testing, and clean, modular code for maintainable full-stack solutions.

WORK EXPERIENCE

Web Developer Intern, Emumba Private Limited

Jul 2024 - Aug 2024

- Gained hands-on experience in MERN Stack development (MongoDB, Express.js, React.js, Node.js), contributing to real-world web applications.
- Developed and deployed multiple full-stack projects including a Budget Tracker, To-Do List, and Restaurant Management Application, focusing on responsive design and user-centric functionality.
- Collaborated in an Agile team, enhancing code quality and version control through Git/GitHub.
- Strengthened problem-solving and debugging abilities while working in a professional software engineering environment.
- Integrated APIs and optimized frontend performance for improved user experience.

PROJECTS

- **SmartPrep AI – AI Driven Job Interview Simulator (MERN Stack, TensorFlow, OpenCV):** Built an intelligent video interview platform providing real-time feedback on body language, speech, and responses during mock interviews based on any job role and prepare user for interview. Integrated AI models for emotion detection and progress analytics, leading to a 35% improvement in user interview performance. Also, provides career recommendations and is integrated with job portal, suggesting relevant jobs.
- **E-commerce Web Platform (MERN):** Developed a scalable, full-stack online shopping solution with dynamic product management and secure user authentication.
- **Beautify Cosmetics Store (Full-Stack Web Application):** Designed a modern, responsive and full-stack online cosmetics brand with product catalog, shopping cart, state management, and secure user authentication.
- **Budget Tracker & Restaurant Management System (MERN Stack):** Created full-featured applications for personal finance tracking and restaurant operations, including inventory and order management.
- **Additional Projects:** Delivered 10+ web applications including a Water Billing System, Flight Booking App, and Inventory Management System etc. showcasing versatility in frontend and backend development.

ACHIEVEMENTS AND CERTIFICATIONS

- **Rector's List Honoree (2021–2025):** Consistent academic excellence throughout undergraduate studies.
- **SmartPrep AI FYP Presentation:** Selected to present SmartPrep AI to Campus Director for its innovation and impact.
- **Open House Winner – SmartPrep AI (2025):**
- Secured 1st Position in Software Engineering Department.
- Recognized for AI integration, technical execution, and real-world utility.