Tuba Jabeen

full-stack Software Engineer

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PROFESSIONAL SUMMARY

Motivated BSCS graduate (2025) with hands-on experience in full-stack web development through academic and internship projects. Proficient in JavaScript, React, Node.js, and modern tools like GitHub and Figma. Eager to contribute as a software engineer and continue learning in collaborative tech environments.

EDUCATION

Bachelor of Science in Computer Science,

COMSATS University Islamabad, Attock **(2021- 2025)**

- CGPA: 3.54/4.00
- Relevant Courses: Web Development, Machine Learning, Artificial Intelligence, HCI, Operating Systems, Data Structures, Computer Vision

SKILLS

- Programming: Java, JavaScript, HTML/CSS, C++, C#, React, Next.js, Node.js
- Tools & Frameworks: VS Code, GitHub, Figma, Bootstrap, Laravel
- Soft Skills: Communication, Leadership, Teamwork, Time Management

EXPERIENCE

- **Web-App Developer Intern — Byte And Board Solutions (March 2025- June 2025)**

  - Developed and maintained web applications using **React**, **Next.js**, and **Firebase** to deliver responsive, scalable, and high-performance solutions.
  - Built a **full-featured e-commerce website** with product listing, shopping cart, authentication, and real-time order tracking using Firebase.
  - Implemented a **modular front-end architecture** by creating reusable UI components, improving maintainability and accelerating feature delivery.
  - Integrated **real-time database updates** in Firebase for seamless inventory and order status management.
  - Collaborated with cross-functional teams to deliver **pixel-perfect, responsive designs** optimized for both desktop and mobile.
  - Followed **Agile development practices**, actively participating in sprint planning, code reviews, and daily stand-ups to ensure timely delivery.

- **Final Year Project — COMSATS University Islamabad**

PhysicsVerse— A Virtual Physics Lab

- Developed **PhysicsVerse**, a **web-based virtual physics lab** enabling students and teachers to perform, observe, and assess experiments interactively from any location.
- Built using a **modular MVC architecture** with **Node.js**, **Express.js**, and **MongoDB**, ensuring scalability and maintainability.
- Implemented **interactive simulations** with **HTML5 Canvas**, **Matter.js**, and **anime.js** to model real-world physics experiments with real-time data visualization.
- Created **role-based portals** for teachers and students, supporting guided experiments, custom experiment creation, graded assessments, and resource sharing.
- Integrated **real-time collaboration** features (live chat, peer help) using **Socket.io**.
- Designed and deployed **secure authentication** with JWT, bcrypt password hashing, and email-based OTP verification via Nodemailer.
- Simulated five core physics experiments, including **simple pendulum laws**, **mass-spring system**, **meter rod equilibrium**, **vector component analysis**, and **resonance tube** speed of sound measurement.

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PROJECTS

- **Airline management system**
  Developed a console-based airline system using C++ and data structures (linked lists, stacks, queues, file handling).
  Tech: C++ | Concepts: Data structures, file I/O

- **Pizzerian** – **Pizza Shop Management System (C#)**

  Developed a desktop app with login, cart, and checkout features; implemented CRUD

  operations with SQL for managing users, orders, and menu item.

  Tech: C#, Windows Forms, SQL;
  Learned: CRUD operations, user authentication, cart management

- **Web projects**
  I have created web applications including: *Resume, To Do List, Contact List.*
  Tech: CSS, HTML, Java Script, bootstrap and Laravel

CERTIFICATIONS

- Teaching and Training Certificate – Pakistan Girl Guides Association (2023)
- Techolic – Technology Awareness & Participation (Oct 2023)

ACHIEVEMENTS

- Merit Scholarship Recipient — COMSATS University Islamabad

- Speech Competition Award – 3rd Position (District Level)— *CM Punjab Speech and Essay Writing Competitions | 2015*

EXTRACURRICULARS

- **Google Developer Student Club (GDSC)** — Participated in tech sessions and collaborative learning events for multiple semesters
- Member, **Soft-Tech society**— Participated in multiple events

LANGUAGES

- English (Fluent), Urdu (Native)

Soft Skills:

- **Teamwork & Collaboration** – effectively contributing to group projects and achieving common goals.
- **Strong Communication Skills** – clearly conveying ideas to both technical and non-technical audiences.
- **Problem-Solving** – analyzing challenges and developing efficient, creative solutions.
- **Research & Information Gathering** – conducting thorough research and interviews to support project requirements and improvements.

Links:

- **GitHub:** https://github.com/TubaJabeen123
- **LinkedIn:** https://www.linkedin.com/in/tuba-jabeen-21993a223/
- **Portfolio:** https://portfolio-69sz.vercel.app/