

# ABDUL BASIT

Software Engineer

Multan, Pakistan | 0312-6922823 | [abdulbasitofficial.dev@gmail.com](mailto:abdulbasitofficial.dev@gmail.com) | [LinkedIn](#) | [GitHub](#)

## PROFESSIONAL SUMMARY

Results-driven Junior Software Engineer and final-year Computer Science student with hands-on industry experience building production-level full-stack applications. Successfully transitioned from a 3-month internship to a full-time role, specializing in the MERN stack. Proficient in developing scalable REST APIs with NestJS and building dynamic, user-focused frontends with React. Passionate about writing clean, maintainable code and delivering high-performance web solutions.

## CORE COMPETENCIES

- **Languages:** C, C++, C#, JavaScript, TypeScript, Python, SQL
- **Frontend:** HTML5, CSS3, Tailwind CSS, JavaScript, React
- **Backend:** Node.js, Express.js, NestJS
- **Database:** PostgreSQL, MongoDB
- **Core Concepts:** Data Structures & Algorithms, DBMS, OOP
- **Tools:** Git, GitHub, REST APIs, Postman, Docker

## PROFESSIONAL EXPERIENCE

### Software Engineer

Oct 2025 – Present

#### SparkoSol

- **Developed and maintained** full-stack web features using React on the frontend and NestJS for backend services.
- **Designed and implemented** RESTful APIs in NestJS, ensuring secure data flow and integrating authentication (e.g., JWT).
- **Contributed to** database schema design and wrote efficient queries to ensure smooth application performance.
- **Collaborated actively** with the engineering team using Git/GitHub workflows for version control, code sharing, and feature rollouts.

### Software Engineering Intern

July 2025 – Sep 2025

#### SparkoSol

- Assisted in backend API development and bug fixing.
- Collaborated on database design and implementation to support scalable backend services.
- Gained hands-on experience in real-world software lifecycle and agile practices.
- Successfully converted a 3-month performance-based internship into a full-time role based on strong technical evaluations and consistent project delivery.

## PROJECTS

### Anonymous Chat Web Application

*React, NestJS, REST API, MongoDB*

- Built a full-stack real-time chat application using React and NestJS.
- Implemented **Web Socket communication** to enable instant messaging without page refresh.
- Developed features such as private chats, group conversations, and anonymous chat rooms.
- Structured backend services to support real-time message delivery and multiple active users.

### Gamified Activity & Habit Tracker

*React, NestJS, REST API, MongoDB*

- Developed a full-stack task management application utilizing React for an interactive frontend and NestJS for a robust backend API.
- Engineered a gamification engine that calculates user streaks, dynamically awards points upon task completion, and manages a custom reward-claiming system.
- Designed backend logic in NestJS to securely track daily user activities, ensuring accurate state persistence and data synchronization.
- Built a responsive and intuitive user interface in React to display real-time progress, daily routines, and achievable point thresholds.

Online Marriage Hall Booking System (Final Year Project)

React, NestJS, Prisma, PostgreSQL

- Developed a comprehensive online booking platform to streamline the reservation process for event venues, improving accessibility and user convenience.
- Built a responsive frontend using React, featuring dynamic search filters, real-time availability checking, and an intuitive booking interface for customers.
- Designed a secure backend architecture in NestJS to manage user authentication, handle complex booking logic, and power an administrative dashboard for hall owners.
- Implemented an optimized database schema to efficiently store and retrieve relational data, including user profiles, venue amenities, and scheduling conflicts.

EDUCATION

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MNS University of Agriculture, Multan	2022 - 2026
BS Computer Science (CGPA 3.87 / 4)	
Emerson College, Multan	2020 - 2022
FSC Pre Medical (75%)	

ACHIEVEMENTS

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Chief Minister Punjab "Honhaar" Scholarship	2025
Awarded a highly competitive, merit-based scholarship for maintaining exceptional academic standing throughout the degree.	
Prime Minister's Youth Laptop Scheme Award	2023
Recognized for academic excellence at the national level and awarded a laptop to facilitate technical research and programming.	