BARIRA MAHEEN

BS-Software Engineering

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⚲ Mianwali

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EDUCATION

BS Software Engineering (Eight sem)
29/Nov2021 (3.76 current cgpa)
University Of Mianwali

Fsc Pre-Engineering (2019 - 2021)
(95%)
Punjab College Mianwali

SKILLS

Languages: JAVA, Python, Javascript, SQL

Frameworks & lib: Spring Boot, Node.js, Angular ,React

Tools: STS, Visual studio code, Pycharm, Intellij IDEA, SQL Workbench, MS SQL Server, Google Colab

Technologies & Databases: MySQL, MongoDB, WebSocket, JWT, REST APIs ,Microservices

AI & ML Expertise in scikit-learn, NLTK, pandas, T5, and other ML/NLP tools

Soft Skills: Software Engineering, Team Lead, Communication, Problem Solving, Innovative, HCI,

WORK EXPERIENCE

Designed and developed a professional coaching and mentorship website for Shazain Coaching as a freelance web developer. Built the frontend using React, and Bootstrap to ensure a responsive and user-friendly interface. Implemented backend functionality in PHP, including form handling and email notifications using the PHP mail function. Collaborated with a team to deliver a robust, client-focused platform for students and professionals.

PROJECTS

Contact Manager (Angular, Spring Boot)
Developed a secure contact manager with JWT auth, Spring Boot backend, and responsive Angular UI.

Online Book Store (React, Spring Boot)
Created an e-commerce book store with inventory management using Spring Boot, Angular, and MySQL.

Mailing App with JWT (React, Spring Boot)
Implemented a mail sender app with JWT authentication and REST APIs, featuring a responsive Angular.

Food Delivery App (Angular ,Spring Boot)
Implemented a full-stack food ordering system with secure customer/admin authentication, role-based CRUD operations, restaurant and item management, cart functionality, and order processing.

AI & ML Projects (Python)
Developed prediction models and used NLP to extract and classify keywords from text data.

Final Year Project (AI-Powered Project Management System): Designed and developed an intelligent project management application using Java Spring Boot and Angular, based on a microservice architecture. The system offers features like project planning, task scheduling, resource allocation, time tracking, real-time collaboration, and integrated chat. Machine learning models are used to automatically assign tasks based on employee skills. An AI module processes user requirements, categorizes tasks (frontend, backend, database), and assigns them accordingly. The application includes advanced reporting tools, secure file submission, and role-based dashboards for Managers, Team Leads, and Team Members. Implemented robust security using JWTbased authentication and authorization with role-based access control. Additionally, real-time in-app notifications and automated email notifications keep users informed about task assignments, deadlines, and project updates.

Certifications & Rewards

- Participated in Hackathon Code'x24 at NUML University, Mianwali
- Prime Minister Youth Laptop Scheme 2023, Honhar Scholarship (2025)
- Served as Event Manager for CodeQuest Competition held at University of Mianwali (2024)
- Completed Front-End Web Design course from Coursera (May 2024)
- Completed Spring Framework certification from Simplilearn (June 2024)