MUHAMMAD MUGHEES AHMED

📞 +92-335-4152706 • ✉ mugheesahmad39@gmail.com • 🔗 Mughees Ahmed   • 🖥 Portfolio

Objective

Computer Science graduate seeking an entry-level role in AI-integrated Web Development, with a focus on building interactive interfaces for chatbot systems, computer vision applications, and intelligent user experiences. Eager to contribute innovative solutions by combining MERN stack development with modern AI tools.

Education

Bachelor of Computer Science | CGPA : 3.31   Sep 2021 – June 2025

Bahria University Lahore , Pakistan

- Relevant Courses: Web Engineering (MERN), Database Management System, Software Testing, Artificial Intelligence, Data Science, Programming Fundamentals, Object Oriented Programming, Data Structures and Algorithms, Operating Systems, Big Data, Blockchain

Internships

Junior Web Developer | AMAZETECH, Lahore   June 2024 – Aug 2024

- Gained hands-on experience in collaboration, teamwork, and effective communication within a professional development environment.
- Developed and maintained responsive WordPress and Shopify websites.
- Optimizing design and performance. Customized themes, resolved technical issues

Skills

- **Programming Languages:** Python, Java, C/C++, JavaScript
- **Web Development:** HTML, CSS, PHP, React.js, Node.js, Express.js, Bootstrap,
- **Database:** MongoDB, MySQL
- **Tools & Platforms:** Git, VS Code, Linux, Postman, Google Colab

Projects

Final year Project: Automated HR

1. Resume Shortlisting & Ranking System (Part I of FYP)

Tech Stack: ReactJS, NodeJS, ExpressJS, MongoDB, Python, Xgboost

- Developed a full-stack web-based application system using the MERN stack, enabling candidates to register, log in, and apply for vacancies with secure resume uploads.
- Implemented AI-driven resume shortlisting using a trained XGBoost model for category prediction and TF-IDF + Cosine Similarity for job description matching.
- Built an intuitive Admin Dashboard with CRUD operations to manage employee records and streamline the shortlisting process via React, Node.js, and MongoDB integration.
- Utilized FastAPI for efficient backend services to handle POST, PUT, GET, and DELETE operations for AI modules and resume data, and to handle employees' CRUD operations.

2. Chatbot for Resume Querying (Part II of FYP)
Tech Stack: ReactJS, NodeJS, ExpressJS, MongoDB, Python
- Designed and implemented an AI-based chatbot to assist newly hired employees with onboarding and HR-related queries in a user-friendly web interface.
- Utilized TF-IDF vectorization and Cosine Similarity to retrieve the most relevant responses from a structured CSV-based Q&A dataset, simulating real HR interactions.
- Integrated the chatbot's Python backend with the MERN stack application, enabling real-time query processing and seamless communication between the frontend and backend.
- FastAPI was employed to handle API endpoints for chatbot queries and response retrieval efficiently.

Web Development Projects:
1. A Comment Box (HTML, CSS, PHP)
- Built a dynamic, feature-rich comment system using HTML, CSS, and PHP, enabling users to post, view, and interact with comments in real-time.
- Integrated like functionality and comment history tracking with backend support using PHP and MySQL, ensuring persistent and interactive user experiences.
- Designed a responsive and user-centric interface, optimized for performance and accessibility across devices and modern browsers.

2. Web Page About Corona virus (HTML, CSS)
- Designed and developed a responsive, content-rich static website using HTML5 and CSS3 to educate users about COVID-19, including symptoms, prevention tips, and real-time safety guidelines.
- Applied modern UI/UX design principles to create an intuitive layout with visually engaging elements, enhancing readability and user engagement across all devices.
- Ensured cross-browser compatibility and optimized performance, making the site accessible and informative to a wide audience during a critical global health crisis.

C++ Projects
1. Rock Scissors Paper Game (C++)
- Interactive CLI game using control structures and randomization for simulated human-like behavior.
2. Stock Management System (C++)
- Simulated stock exchange transaction system using OOP Classes and file handling in C++, featuring trade tracking.
3. Cafe Management System (C++)
- Doubly linked list-based app for handling menu selection, billing, and customer queue simulation.
4. Mini Compiler (C/C++)
- Lexical analyzer using regex and DFAs to parse and tokenize source code—foundational compiler theory.
5. Rental System using Banker's Algorithm (C)
- Simulated OS resource allocation to maintain deadlock-free process scheduling.

Extracurricular
- RIZQ BULC | 2022 – 2024
- AL-KHIDMAT Foundation | 2024 – Present
- Vice Head of Table Tennis | BULC | 2023 - 2024