MUHAMMAD MUGHEES AHMED

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Objective

Computer Science graduate seeking an **entry-level role in AI-integrated Web Development**, with a focus on building **interactive user interfaces** for **chatbot systems** and **intelligent web applications**. Eager to contribute innovative solutions by combining **MERN stack expertise** with modern **AI technologies** to enhance user experience and automation.

Education

Bachelor of Computer Science | CGPA : 3.34   Sep 2021 – June 2025
Bahria University Lahore , Pakistan

- Web Engineering (MERN Stack), Database Management Systems, Software Testing, Artificial Intelligence, Data Science, Programming Fundamentals, Object-Oriented Programming, Data Structures & Algorithms, Operating Systems, Big Data Analytics, Blockchain Technologies

Internship

Web Developer | AMAZETECH, Lahore   June 2024 – Aug 2024

- Gained hands-on experience in **team collaboration**, **agile development**, and professional communication.
- Developed and maintained **responsive WordPress and Shopify websites**, ensuring cross-device compatibility.
- **Optimized performance**, customized themes, and resolved **technical issues** for smooth user experience.
- Implemented **basic SEO practices** to improve website visibility and user engagement.
- Used **version control (Git)** for code management and efficient teamwork during development cycles.

Skills

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

Certifications

- Full Stack MERN Application Development – **freeCodeCamp**
- Full Stack JavaScript Track – **The Odin Project**
- Intro to Machine Learning – **Kaggle**
- Introduction to Machine Learning – **Google Developers**
- Machine Learning Crash Course – **Google Developers**
- FastAPI with Python **– Hugging Face**

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 MERN application** with secure candidate registration, login, and resume submission features.
- Integrated **AI-based resume shortlisting** using **XGBoost**, **TF-IDF**, and **Cosine Similarity** for relevance scoring.
- Built a feature-rich **Admin Dashboard** with **CRUD operations** for managing candidates, jobs, and HR records.
- Used **FastAPI** to create scalable **RESTful APIs** and ensured seamless integration between frontend, backend, and **MongoDB** for real-time data processing.

2. Chatbot for Resume Querying (Part II of FYP)

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

- Developed an **AI-driven HR chatbot** for employee onboarding and query resolution using a MERN + Python stack.
- Applied **TF-IDF** and **Cosine Similarity** to match user queries with responses from a structured dataset.
- Integrated chatbot backend via **FastAPI** for real-time API-based interaction with the frontend.

Web Development Projects

1. A Comment Box (HTML, CSS, PHP)

- Developed a **real-time comment system** using **HTML, CSS, PHP, and MySQL** with post, view, and like features.
- Implemented **comment history tracking** and backend persistence for dynamic user interaction.
- Designed a **responsive, cross-browser interface** optimized for accessibility and performance.

2. Web Page About Corona virus (HTML, CSS)

- Created a **responsive static website** using **HTML5 and CSS3** to provide COVID-19 awareness content.
- Applied **UI/UX best practices** for intuitive layout and enhanced user engagement.
- Ensured **cross-browser compatibility** and performance optimization for wide accessibility.

C++ Projects

1. Rock Scissors Paper Game (C++)

- Built an interactive **CLI game** using control structures and **randomization** in C++.

2. Stock Management System (C++)

- Developed a **trade tracking system** using **OOP** and file handling in C++.

3. Cafe Management System (C++)

- Implemented **doubly linked list** logic for menu, billing, and queue simulation.

4. Mini Compiler (C/C++)

- Created a **lexical analyzer** using **regex** and **DFAs** to tokenize source code.

5. Rental System using Banker's Algorithm (C)

- Simulated **OS-level resource allocation** to avoid deadlock conditions.

Extracurricular

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