

MUHAMMAD MUGHEES AHMED

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Objective

Results-driven Computer Science graduate with hands-on experience in **full-stack development**, **machine learning**, and **web technologies**. Skilled in **JavaScript**, **Python**, **React.js**, **Node.js**, **MongoDB**, and **RESTful APIs**. Passionate about building **scalable**, **user-focused** solutions by integrating **front-end** and **back-end systems**. Seeking opportunities to contribute to **software development**, **data-driven applications**, or **AI-powered platforms** while continuing to grow in a **collaborative**, **agile environment**.

Education

Bachelor of Computer Science | CGPA : 3.37
Bahria University Lahore , Pakistan

Sep 2021 – June 2025

- 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

Internships

FrontEnd Web Developer Intern | ELEVVVO, Cairo - Remote

July 2025 - Aug 2025

- Built and deployed **responsive web pages** in React.js with full cross-device compatibility.
- Created and customized **UI components** like collapsible sidebar, blog pages, and responsive contact forms.
- Designed and implemented a **one-page responsive website** using modern React best practices.
- Improved and applied skills in **HTML**, **CSS**, **JavaScript**, and **React** for clean, scalable code.

Python Developer Intern | TRIGENT inc.

Aug 2024 – Nov 2024

- Built a **full-stack quiz application** with FastAPI, SQLAlchemy, SQLite, React, and Tailwind CSS, featuring dynamic routing, timed quizzes, real-time feedback, and automated database management.
- Contributed to **LLM training** using RLHF and SFT, focusing on prompt ranking, preference modeling, and response evaluation for improved conversational AI alignment.
- Gained hands-on experience in **full-stack development and applied AI/ML**, strengthening problem-solving and research-driven development skills.

Website 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 (ES6+)
- **Data Analysis & Machine Learning:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, TF-IDF, XGBoost, Data Preprocessing, Model Evaluation, Feature Engineering
- **Web Development:** React.js, Next.js, Node.js, Express.js, HTML5, CSS3, PHP, Bootstrap, Tailwind CSS, WordPress, Shopify, Elementor, RESTful APIs, Responsive Web Design, Frontend Optimization
- **Databases:** MongoDB, MySQL, phpMyAdmin
- **Tools & Platforms:** Git, GitHub, VS Code, MS Visual Studio, Linux, Postman, Docker, Google Colab,

Certifications

- Full Stack MERN Application Development – **freeCodeCamp**
- Full Stack JavaScript Track – **The Odin Project**
- HTML, CSS, BOOTSTRAP – **W3schools**
- Python FastAPI Crash Course – **freeCodeCamp**
- Data Visualization – **Kaggle**
- Introduction to Machine Learning – **Google Developers**
- Machine Learning Crash Course – **Google Developers**

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.
- **browser compatibility** and performance optimization for wide accessibility.

Extracurricular

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