Muhammad Ahmed Chorahi

Date of birth: 14 Oct 2002

Place of birth: Rawalpindi, Pakistan

Nationality: Pakistani

CONTACT

📍 Rawalpindi, Pakistan **(Work)**

✉️ muhammadahmed4444c@gmail.com

💼 (+92) 03178243365

in https://www.linkedin.com/in/muhammad-ahmed-chorahi

👤 https://github.com/Muhammad-Ahmed-Chorahi **(GitHub)**

ABOUT MYSELF

I am a final-year Software Engineering student at Capital University of Science and Technology (CUST), Islamabad, with a focus on web development and database systems. I have hands-on experience in creating responsive web applications using HTML, CSS, JavaScript, and PHP, as well as developing database-driven solutions with MySQL. Alongside web development, I have worked on IoT-based automation projects and software tools using Python and C++, which have improved my problem-solving and adaptability skills.

EDUCATION AND TRAINING

SEP 2022 – CURRENT Islamabad, Pakistan

BS Software Engineering Capital University of Science and Technology

- **Programming:** C++, Python, Java, OOP, Data Structures
- **Web Development:** HTML, CSS, JavaScript, PHP, MySQL
- **Software Engineering:** Software Construction, SDLC, Architecture & Design Patterns
- **Databases & Systems:** MySQL, SQL Server, Operating Systems, Computer Networks
- **Cybersecurity:** Information Security, Cryptography, Penetration Testing (Web, Android, Wireless), Security Tools (SQLMap, Metasploit, Wireshark)
- **Artificial Intelligence:** Problem Solving, Search Algorithms (DFS, BFS, A*), Machine Learning Basics, Neural Networks, NLP Fundamentals
- **Mathematics & Soft Skills:** Calculus, Linear Algebra, Discrete Mathematics, Communication, Teamwork

2020 – 2021 Rawalpindi, Pakistan

FSc Pre-Engineering Punjab Group of Colleges

PROJECTS

1 SEP 2002 – CURRENT

Academic Projects

- **Hospital Management System (Web Development & DBMS):** Developed a full-stack hospital management system using HTML, CSS, JavaScript, PHP, and MySQL. Designed database schemas and user interfaces; prepared detailed documentation covering software architecture and design models.
- **Facial Recognition Attendance System (Python & AI):** Built a facial recognition-based automatic attendance system using Python and OpenCV. Applied face detection and recognition techniques for real-time identification and attendance marking.
- **Automatic Plant Watering System (IoT):** Designed an IoT-based plant watering solution using ESP32, moisture sensors, and Blynk app for real-time monitoring, auto/manual control, and mobile notifications.
- **Terminal-Based Applications (C++ with OOP & Data Structures):** Created multiple command-line applications such as inventory and library systems applying Object-Oriented Programming principles and data structures.
- **Software Design & Documentation:** Prepared comprehensive software design documentation (UML diagrams, system models, use cases) for academic projects like the Hospital Management System.

SKILLS

Webdevelopment: HTML, CSS, JavaScript │MySQL │PHP │C++ │Object-oriented Programming – OOPS │DataStructures/Algorithm │Python │Git │Java (computer programming)