

Muhammad Hassan Nawaz Cheema

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Professional Summary

Detail-oriented and results-driven Computer Science professional with a passion for software development, AI-driven solutions, and web technologies. I am Skilled in **WordPress, Shopify, Frontend Development, MERN Stack, AWS Cloud Computing** and **Site Reliability Engineering (SRE)**, with expertise in **C++, Java, Python**, and **Flutter**. I am adept at designing and optimizing scalable applications, integrating AI-powered automation, and implementing efficient system architectures. **Experienced in SaaS-based CRM development, cloud technologies, and full-stack development.** A problem-solver with a continuous learning mindset, eager to contribute technical expertise to innovative projects in a dynamic environment.

Objective

To join a dynamic and growth-oriented organization where I can leverage my technical skills in software development while expanding my knowledge and expertise in a professional setting.

Education

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|---|-----------------------------------|-------------|
| ✓ Riphah International University, Lahore | BS Computer Science | 2021 – 2025 |
| ✓ Government College of Science, Lahore | Intermediate (ICS - Physics) | 2019 – 2021 |
| ✓ Dar-e-Arqam School, Lahore | Matriculation (General - Science) | 2017 – 2019 |

Final Year Project (FYP)

Developing an AI-Powered Call-Handling CRM System for Restaurants, a SaaS-based solution designed to streamline order management, AI-driven call handling, real-time analytics, and customer relationship management.

Key features include:

- ✓ **AI-Powered Voice Processing** – Automates call handling for restaurant orders.
- ✓ **Order & Inventory Management** – Tracks food inventory and order processing.
- ✓ **Multi-Dashboard System** – Includes Super Admin, Restaurant Admin, and User dashboards.
- ✓ **Hybrid Database Integration** – Using **MongoDB for unstructured data** and **PostgreSQL/MySQL for structured data**.
- ✓ **Real-Time Analytics & Notifications** – Provides insights into customer interactions and business performance.

Technical Skills

- ✓ **Programming Languages:** C, C++, C#, Java, Python, JavaScript
- ✓ **Web Development:** HTML, CSS, Bootstrap, PHP, WordPress, Shopify, MERN Stack
- ✓ **App Development:** Flutter
- ✓ **Database Management:** MySQL, SQL, Firebase, PostgreSQL
- ✓ **Networking & SRE:** Site Reliability Engineering, Computer Networking, AWS Cloud
- ✓ **Software Tools:** MS Office, Post Man

Projects

- ✓ Developed a **Simple Calculator** using **C#**
- ✓ Developed a **Library Management System** in **C++**
- ✓ Developed a **Student Management System** in **C++**
- ✓ Developed a **Flappy Bird Game** using **Java**
- ✓ Developed a **Dynamic Website** using **HTML, CSS, Bootstrap, PHP**
- ✓ Developed a **Health Fitness Application** in **Flutter**

Certifications

- ✓ Certified in various Coursera courses, including:
 - Object-Oriented C++ (Inheritance & Encapsulation)
 - Introduction to Hardware and Operating Systems
 - Databases and SQL for Data Science with Python
 - Building Web Applications in PHP
 - Google Site Reliability Engineering (SRE) Culture

Interests

- ✓ Learning new programming languages
- ✓ Web and App Development
- ✓ Gaming & Traveling

References

Available upon request.