GHULAM MUSTAFA

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Innovative and results-driven Full Stack Developer with hands-on experience in building web and mobile applications, integrating AI agents, and deploying scalable solutions using Core PHP, Firebase, and Android development. Skilled in both front-end and back-end development with a strong foundation in databases, RESTful APIs, cloud integration, and real-time systems. Adept at transforming complex requirements into functional, user-friendly digital solutions with a focus on performance, automation, and seamless user experience. Passionate about leveraging emerging technologies to deliver impactful software products and continuously enhance technical capabilities.

WORK & RELEVANT EXPERIENCE

<u>Software Developer Intern</u>   Suite 505, Al Amin Towers, Main University Road, Nipa, Karachi
Projexels   03/2025 – 05/2025

● **Company Management System**
Developed a web-based platform for managing projects, clients, invoices, and office expenses. Enabled centralized control and real-time financial tracking. Built using Core PHP and MySQL.

● **Real-Time Weight Scale Monitoring System – Industrial Automation**
Built a role-based web portal for capturing real-time weight data from industrial machines. Provided shift-wise, daily, monthly, and yearly production analytics with dashboards. Implemented using Core PHP and RESTful APIs.

<u>**On-the-Job Training (OTJT)**</u>   **Suite 505, Al Amin Towers, Main University Road, Nipa, Karachi**
Projexels   06/2025 – 07/2025

● **CountereXpert – Industrial Automation System**
Designed a role-based, multi-company web portal for real-time production monitoring. Features include machine-wise, product-wise, daily/monthly/yearly reports. Built using Core PHP with RESTful APIs and tested via Postman.

● **Python-Based Hospital Bell System**
Developed an automated nurse-calling system using Python with hardware integration, enabling real-time alerting and improving hospital response efficiency.

● **Smart Zipper Lock (IoT + App)**
Created a Bluetooth-enabled zipper lock with hardware integration and a custom mobile app (MIT App Inventor) for secure access control.

● **RC Car with Web Portal Control**
Built a Wi-Fi-controlled RC car integrated with a web-based portal for real-time movement control. Combined full-stack development with embedded hardware.

EDUCATION

Bachelor of Engineering in Computer Systems Engineering
Quaid-e-Awam University of Engineering, Science and Technology (QUEST), Nawabshah, Sindh, Pakistan
2023 – Present
Currently pursuing a comprehensive undergraduate program focused on software development, embedded systems, databases, computer networks, and engineering principles.

TECHNICAL & BUSINESS PROFICIENCIES

Technical:
Core PHP, MySQL, HTML, CSS, JavaScript, RESTful APIs, Firebase, Postman, GitHub, Linux, Windows, Networking (TCP/IP, DNS, DHCP), System Troubleshooting, ESP32, Arduino, Sensors, Relays, Embedded Systems, MIT App Inventor, Vercel Deployment, Basic Cybersecurity Practices

Business:
Customer Support, Project Management, Workflow Automation, Technical Documentation, Process Optimization, Team Collaboration, Role-Based System Design, Client Communication, Real-Time System Monitoring

PROJECTS

- **Company Management System**
  Developed a web-based platform to manage projects, clients, invoices, and office expenses. Enabled centralized business operations and real-time financial tracking using Core PHP and MySQL.
- **Real-Time Weight Scale Monitoring System**
  Created an industrial web portal to collect and analyze live weight data from machines. Included role-based access control and detailed production analytics (shift-wise, daily, monthly, yearly).
- **CountereXpert – Industrial Automation System**
  Designed a centralized, role-based portal for multi-company production monitoring. Each company can track assigned machines' output with product-wise and time-based reporting using Core PHP and RESTful APIs.
- **Python-Based Hospital Bell System**
  Implemented an automated nurse call system with Python and hardware integration. Enabled real-time patient-to-nurse alerts, improving communication and response time in hospital wards.
- **Smart Zipper Lock (IoT + Mobile App)**
  Built a secure Bluetooth-enabled locking mechanism with hardware integration, controlled via a custom app developed using MIT App Inventor. Focused on portability and personal safety.
- **RC Car with Web Portal Control**
  Developed a Wi-Fi-enabled RC car with real-time web-based controls. Integrated full-stack web functionality and hardware components for interactive and remote-controlled movement.

ADDITIONAL SKILLS
- Full stack development with Core PHP, Firebase, and Android
- RESTful APIs, real-time systems, and database integration
- AI agent integration and automation solutions
- Cloud deployment, performance optimization
- Quick problem-solving and debugging skills
- Strong focus on user-friendly, scalable applications
- Passionate about innovation and emerging technologies