**Shaik Zubair Ahmad**  
**Mobile:** +91 70369 67612 | +91 92900 00735  
**Email:** zubairhcd@gmail.com  
**LinkedIn:** [LinkedIn Profile](https://www.linkedin.com/in/zubair-ahmad-shaik-aa9061224?utm_source=share&utm_campaign=share_via&utm_content=profile&utm_medium=android_app) | **YouTube:** [YouTube Channel](https://youtube.com/@elementary-jo5ti?si=rIppvAg0cikmeb4_) | **GitHub:** [GitHub Profile](https://github.com/zubair-appdev)

**Objective**

Versatile Software Engineer with strong expertise in **Qt-based** cross-platform applications, **embedded systems**, and real-time data handling. Proven ability to take ownership of complex projects and deliver **scalable, multithreaded solutions** with **robust error handling** and **smooth UI/UX**. Experienced in **serial protocols** (RS232/RS422), **Git-based debugging**, **SQLite state management**, and **WASM** setup for native-to-web portability. Seeking to contribute high-performance, **production-grade software** guided by safe and **sophisticated coding practices**.

**Professional Experience**

**Qt C++ Software Developer**  
*MayTech Systems, Hyderabad*  
**Jul 2024 – Present**

* Developed desktop and embedded applications from scratch using the Qt framework, focusing on custom tool development.
* Expertise in C/C++, Qt, Multithreading, UART, and Socket Programming.
* Designed and implemented projects involving real-time data handling and communication using Qt Creator.

**Contract Jr Software Engineer (Client – RCI DRDO)**  
*Hydro Pneumatic Engineers (Hyd) Pvt. Ltd., Hyderabad*  
**Mar 2023 – Jun 2024 (1 year 4 months)**

* Created an automated tool for log file retrieval and optimized data analysis.
* Ported software to the latest Qt version, ensuring framework and database compatibility.
* Engaged in code reviews, testing, debugging, and developed applications using Socket Programming and RS422 Networking Protocols.

**Python Intern**  
*THINK CHAMP PRIVATE LIMITED, Remote*  
**Jan 2023 – Feb 2023 (2 months)**

* Developed GUI applications with Tkinter, including a Bill Management System and Train Ticket Booking System. Utilized NumPy and Pandas for data analysis and processing.

**Projects**

**HighGTestJig (Client: DRDO)**

* Desktop Application to control HighGTestJig instrument for real-time hardware test automation and data acquisition in embedded instrumentation environments.
* **Features :**Multi ProtocolCommunication (RS232/RS422), Live Data Parsing and Realtime Plotting, Threading (QtConcurrent), Pdf/Excel/Sqlite integration for saving, Logging, Muti-tabbed interface, Defensive Programming (Mutexes, Checksum, Packet alignment), Version Control, QTimer, etc.,

**ACHT – Automatic Cable Harness Tester (Client: BEL Chennai)**

* Developed a secure Qt C++ kiosk application for automated testing of Defence-grade cable harnesses. Implemented continuity, voltage, and resistance testing with RS422-based DAU integration. Designed full-screen, tamper-proof UI with role-based access control. Ensured real-time monitoring, hardware-linked safety features, and robust system reliability.

**Advanced Hardware Testing Interface with Real-Time Data Visualization (Defence Project)**

* Developed a user interface for hardware testing with real-time data acquisition and visualization via RS422 communication.
* *Technologies Used:* C++/Qt, QSerialPort, QCustomPlot, Qt XLSX Library, Multithreading.

**Embedded System Interface Application (Defence Project)**

* Developed a Qt C++ application for embedded hardware interaction, enabling hardware testing, real-time data acquisition, and configuration. Key features include port/baudrate setup, channel management, secure data handling, error alerts, logging, and customizable settings. Used Qt Framework, QSerialPort, QXlsx, and multithreading for efficient operations.

**Medical Report Generation Application**

* Created a desktop application using Qt C++ for generating detailed medical reports in PDF and Word formats with user input forms and complex formatting.
* *Technologies Used:* Qt C++, QPdfWriter, QPainter, Python (pdf2docx).

**Python Projects (Personal Projects)**

* Created GUI-based applications (Bill Management, Calculator, Train Booking System) using Tkinter and MySQL.

**Education**

**Bachelor of Technology (Mechanical Engineering)**  
*Jawaharlal Nehru Technological University Anantapur (JNTUA), Kalikiri |* **2018 – 2022** | 74.21%  
**Intermediate (MPC)**  
*Sri Chaitanya Junior College, Nellore |* **2016 – 2018** | 95.3%  
**SSC**  
*Audisankara EM High School, Nellore |* **2015 – 2016** | GPA: 9.7

**Technical Skills**

* **Languages:** C/C++ (Object-Oriented Programming), Python(Scripting & Automation)
* **Operating Systems:** Red Hat Linux (Basic Bash scripting, Linux commands)
* **Frameworks:** Qt (C++/Qt Widgets, Designer forms), qmake
* **Protocols:** RS422 Serial Communication, Socket Programming (TCP)
* **Version Control & Tools**: Git, GitHub, Qt Creator, Inkscape, Microsoft Clipchamp
* **Databases:** MySQL, SQLite
* **Web Technologies**: HTML, CSS, WASM
* **Mechanical Tools:** AutoCAD, ANSYS (Basics)

**Licenses and Certifications**

* **Python Programming Certification** ([Link](https://drive.google.com/file/d/1LGmLE2xrd0nANWGwcrupQ2USemmPhi8t/view?usp=share_link)) – THINK CHAMP PRIVATE LIMITED
* **Python Internship Certificate** ([Link](https://drive.google.com/file/d/1gM6UndnjPSu-bxCyupqQMCQ8Rtc58mR4/view?usp=sharing)) – THINK CHAMP PRIVATE LIMITED
* **Git** ([Link](https://drive.google.com/file/d/11XRfbHC-g0g9kG9_ietkuKuD3RuQI1lo/view?usp=drivesdk)) – THINK CHAMP PRIVATE LIMITED

**Personal Details**

* **Date of Birth:** 17/11/2000
* **Languages Known:** English, Hindi, Telugu, Urdu
* **Nationality:** Indian

**Declaration** I hereby declare that all the details furnished above are true to the best of my knowledge.

**Date:** Aug 05, 2025  
**Place:** Hyderabad

*(Shaik Zubair Ahmad)*