**Shaik Zubair Ahmad**  
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**Objective**

Results-oriented Software Engineer with a proven track record at Maytech Systems, specializing in developing and maintaining complete Qt-based applications. Demonstrated ability to work independently, take ownership of legacy and leftover projects, and deliver high-performance software solutions across embedded systems and desktop platforms. Experienced in serial communication, multithreading, and cross-platform development. Seeking a challenging role in IT to contribute to innovative, impactful projects.

**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**

**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).

**Monthly Expenses Calculator (Personal Project)**

* Developed a Qt (C++) tool for efficient monthly expense tracking, budget analysis, and category-wise expense breakdown with user-friendly visualizations.

**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
* **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
* **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
* **Hobbies:** Reading, PC games, learning new things

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

**Date:** May 17, 2025  
**Place:** Hyderabad

*(Shaik Zubair Ahmad)*