CHITTESH S

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JOB SUMMARY

Entry-level Software Engineer with a strong foundation in programming concepts, software design, and development principles, gained through academic projects and certified training. Skilled in C, C++, and Python, with hands-on experience in embedded systems and sensor-based automation solutions. Currently pursuing a Bachelor's degree in Electrical and Electronics Engineering, demonstrating the ability to analyze and solve engineering problems using structured, logical thinking. Familiar with tools such as MPLAB, Proteus, MATLAB, and Arduino, and capable of supporting system development, testing, and debugging processes.

EDUCATION

Sri Ramakrishna Engineering College   Coimbatore, India
Bachelor of Engineering   Sep 2021-Expected May 2025
Major in Electrical and Electronics Engineering
Cumulative CGPA: **7.44**

A.V.B Matriculation Higher Secondary School   Coimbatore, India
Higher Secondary Certificate   Mar 2020-May 2021
Major in Computer science
Cumulative Percentage: **78.87%**

A.V.B Matriculation Higher Secondary School   Coimbatore, India
Secondary School Leaving Certificate   Mar 2018-Mar 2019
Cumulative Percentage: **74.40%**

AREA OF INTEREST

- Programming in C, C++
- Programming in Python

TECHNICAL SKILLS

1. **Certified Course:**
   - Embedded System (PIC, STM32), Certified by **Career Vision Embedded Academy.**
2. **Programming Language:**
   - Coding in C, C++
   - Coding in Python
3. **Software Known:**
   - Proteus
   - MPLAB
   - MATLAB
   - TinkerCAD
   - Excel
4. Databases:
   - SQL (basic queries).

UNIVERSITY PROJECTS

FUEL INJECTION MONITORING SYSTEM   March 2022

   The Fuel injection monitoring system device offers real time information of injection of fuel. This system uses a sensor which communicates with Arduino UNO. The Arduino UNO then relays this data to driver through Liquid Crystal Display (LCD).
Languages & Tools Used: C, Arduino, Flow sensor, Rectifier, LCD.

MOBILE CONTROLLED WATER IRRIGATION AND FAULT DETECTION   March 2023

   To create an integrated system that uses mobile technology to optimize water usage, increase irrigation efficiency, and proactively monitor and address potential issues within the irrigation network is the goal of a mobile controlled water irrigation and fault detection project.
Languages & Tools Used: C++, PIC, Soil moisture sensor, Temperature sensor, current sensor, LCD.

PROFESSIONAL EXPERIENCE

1. **Salzer Electronics Limited**   Coimbatore, India
   - Learned about the complete manufacturing process of electrical products, including design, production, and quality assurance for items like rotary switches and toroidal transformers.
   - Gained insights into the importance of adhering to international standards and incorporating sustainability and innovation in electrical manufacturing.
2. **Deccan Industries Pvt Ltd**   Coimbatore, India
   - Acquired knowledge of the manufacturing and assembly process of motors and pump sets, including testing and troubleshooting techniques.

CERTIFICATIONS & KEY COURSES TAKEN

- Undergone "Sensors and Actuators", Certified Course, offered through NPTEL.
- Undergone "MATLAB Onramp", Certified Course, offered through MathWorks.
- Undergone "MATLAB Simulink", Certified Course, offered through MathWorks.
- Undergone "Python(Basic)", Certified Course, offered through Hackerrank.
- Undergone "Internet of everything", Certified Course, offered through OpenLearn.
- Undergone "SQL (Basic)", Certified Couse, offered through Hackerrank.
- Undergone "Excel course", Certified Course, offered through Udemy.

EXTRA CURRICULAR ACTIVITY

- Undergone Camp on National Service Scheme (NSS).
- Executive Member on Electrical Electronics Engineering Association (EEETA) Club.

PERSONAL DETAILS

Date of Birth: 24/04/2004
Languages known: Tamil, English.

I hereby declare that the information provided above is true and correct to the best of my knowledge.
Place: Coimbatore   Chittesh S