

GOLIVI MOHAN RAO

INTERN

JOB OBJECTIVE

Pursue a challenging opportunity as a Software Developer in Hyderabad or Bangalore, applying knowledge in C Programming, C++, Embedded Systems, and Linux to foster innovation and support the success of the organization while promoting ongoing personal and professional development.

CONTACT

✉ mohangolivi143@gmail.com

☎ +91-7993918784

EDUCATION

- B.Tech. in Electronic Communication Engineering, Avanthi's St. Theresa Institute of Engineering and Technology, 2023
- Intermediate, 2019, Sri Aditya Junior College
- SSC, 2017, Sri Gnana Jyoti School

AREAS OF EXPOSURE

- Embedded System Design
- Software Development Life Cycle
- System Architecture
- User Experience Optimization
- Cross-Functional Team Collaboration
- Performance Optimization
- Quality Assurance Practices

TECHNICAL SKILLS

- C, C++, Programming Language
- Embedded Systems
- Communication Protocols
- Operating Systems
- Development Tools
- Debugging Techniques

ACADEMIC ACHIEVEMENT

- Successfully designed and implemented a multi-level security system, addressed critical security concerns, and enhanced user safety through innovative technology solutions.

PROFILE SUMMARY

- Experienced in Embedded Systems and various programming languages, committed to delivering high-quality tech solutions.
- Knowledge of Operating Systems: Linux (Ubuntu, Debian), and Tools and IDEs: GCC, keil uvision4, Proteus 8 Professional.
- Gained practical experience in Embedded Systems during an internship at Vector India, contributing to real-world projects.
- Proficient in C, C++, Embedded C, and data structures/ algorithms through academic projects and training.
- Developed a Multi-Level Security Device Access Control System, integrating hardware and software for enhanced security.
- Knowledgeable in communication protocols such as UART, SPI, I2C, and CAN.
- Familiar with Agile methodologies and the software development life cycle for efficient project delivery.
- Possess strong problem-solving capabilities, adaptability, and effectiveness in collaborative team environments.

INTERNSHIP

2023 July to 2024 Mar to Present: Intern at Vector India Pvt. Ltd., Hyderabad

Role:

- Designing and developing embedded systems, integrating hardware and software for functional prototypes.
- Collaborating with senior engineers to analyze requirements and develop innovative solutions.
- Performing rigorous testing and debugging to ensure performance and reliability.
- Assisting in documenting technical specifications and user manuals.
- Contributing to team meetings on project progress, challenges, and improvement strategies.
- Utilizing development tools and IDEs for coding, compiling, and testing, adhering to industry standards.

CERTIFICATION/ TRAINING

- Completed 8 months Advanced course in Embedded Systems at Vector India Pvt. Ltd. – Hyderabad

ACADEMIC PROJECT

Multi-Level Security Based Device Access Control System

Description:

- Design and implement a multi-level security-based device access control system to regulate access to devices or resources based on multiple levels of authorization, authentication, and access control policies.
- Ensures that only authorized users, processes, or systems can access specific devices, resources, or data.
- Prevents unauthorized access, data breaches, malicious activities, or other security threats.
- Provides granular control over access privileges, allowing for precise configuration of user permissions.
- Supports multiple authentication methods, such as username/password, biometrics, smart cards, or tokens.
- Integrates with existing security infrastructure, such as firewalls, intrusion detection systems, and encryption technologies.

Technologies uses:

- Hardware requirements such as Lpc21xx, RFID Reader, RFID Card, LCD, EEPROM(AT24C256), 4X4 Keypad, DC Device, Uart .
- Software Requirements such as Embedded C Programming, keil - C compiler, Flash Magic.

PERSONAL DETAILS

Address : H. No.203, Maruti Residency 2, Narasanna Peta, Srikakulam (Dist.), Pin: 532421

Languages Known : English, Telugu

Date of Birth : 15th June 2002