DIVYA DHARSHINI P A

B.E. Electronics and Communication Engineering - 2024.

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⇔EDUCATION:

- **B.E. ECE:** 2024 | CGPA: 8.162 Thanthai Periyar Government Institute of Technology, Vellore.
- HSC: Bio-Maths 2020 | Percent: 75.83%
 New Prince M.H.S.S, Chennai-91.
- SSLC: 2018 | Percent: 92.8% New Prince M.H.S.S, Chennai-91.

1 INTERNSHIP:

Network Operations Centre (NOC) Engineer:

Airtel, India.

(July - Aug 2023)

- Monitoring, Tracking, and Documenting network errors.
- Diagnosing and troubleshooting network issues.
- Provide L1 and L2 support and create incident reports.
- Overseeing network performance and capacity.

PROJECTS:

Multi-parameter signal monitoring system using an ARM Cortex-M3 controller: (O Grade)

- Integrated temperature, heartbeat, SpO2, and ECG sensors with the STM32L152RE controller, improving data collection accuracy.
- Enabled real-time data recording and transmission to the cloud via Wi-Fi, enhancing data accessibility and remote monitoring.
- Implemented a medical emergency alert system- via SMS using a GSM modem, increasing patient safety and response time.

Medical Gas pipeline monitoring system:

- Real-time monitoring of gas pipelines by interfacing
 Temperature, Humidity, and Pressure sensors with ESP32, assisting with maintenance.
- Developed a cloud-based alert system, enabling timely notifications and responses, which decreases incident resolution time.

Hand Gesture Robot:

- Interfaced an Arduino UNO controller with an infrared sensor for obstacle detection and avoidance.
- Enabled motion control through hand gestures.

★TECHNICAL SKILLS:

- C
- Python
- Communication protocols
 UART, Bluetooth, IEEE
 802.11, SPI, I2C.
- Microcontrollers -STM32, ESP32, Arduino.
- Sensor interfacing.
- MPLS/ SD-WAN, NOC engineering.

* SOFT SKILLS:

- Communication
- Problem-solving
- Logical thinking
- Organization
- Presentation
- Leadership
- Team player

SECOURSES:

- ECEN Academy: Embedded Systems Programming.
- Bharath Acharya
 Education BAE:
 8086 microprocessor,
 assembly programming.

★LANGUAGE SKILLS:

- English
- Tamil
- Hindi (Learning)