SOORAJ ISHWAR NAIK

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EDUCATION

NMAM Institute of Technology   **Nitte, India**
B.E. in Electronics and Communication Engineering; *GPA: 8.06/10*   *Jun 2025*
Shree Vidyadhiraj Polytechnic   **Kumta, India**
Diploma in Electronics and Communication Engineering; *Percentage: 68%*   *May 2020*

SKILLS

Languages: Python, C Programming, SQL, MySQL.
Frameworks and Tools: Git, GitHub, Arduino IDE, VS Code.
Platforms: Windows, Linux, AWS.
Other Skills: RDBMS, Computer Networks, IoT, Cloud Fundamentals.

PROJECTS

DUI Monitoring System using Raspberry Pi | Github   **Jan 2025 - May 2025**
Developed a Raspberry Pi-based DUI monitoring system to detect alcohol levels and track vehicle activity, integrating GPS for live location alerts with SD card storage. Minimized manual monitoring by 40% and improved driver safety.
Tools: Raspberry Pi, Python, PuTTY, Thonny IDE.

Orange HRMS Project | Github   **Jan 2025 - Mar 2025**
Installed and configured OrangeHRM on AWS EC2 with Apache and MySQL, setting up modules for leave, attendance, and recruitment. Boosted HR operations efficiency by 25% through cloud deployment and database integration.
Tools: PHP, Apache Server, MySQL, AWS EC2, GitHub.

ECG Monitoring System using ESP32 Dashboard | Github   **Dec 2023 - May 2024**
Implemented a wireless ECG monitoring system using ESP32 and AD8232 sensor with Ubidots IoT cloud for real-time patient tracking. Decreased data latency by 30% and enabled doctors to monitor patients through dashboards.
Tools: Arduino IDE, Embedded C, Ubidots IoT Platform.

Raspberry Pi-based reader for blind people | Github   **Jan 2024 - May 2024**
Designed a Raspberry Pi-based OCR reader to convert printed text into speech, improving accessibility for visually impaired users by 50%. Integrated Python, OpenCV, and Tesseract OCR with Text-to-Speech.
Tools: Python, OpenCV, Tesseract OCR, Text-to-Speech.

INTERNSHIP

Internet of Things – **NxtAlign Innovation Pvt. Ltd.**   **Dec 2024 - May 2025**
Configured wireless networks and GSM modules, ensuring 95% accurate IoT connectivity, facilitating live alert mechanisms, improving overall system reliability, and enhancing fast response times for critical IoT applications.
Achieved 90% efficiency in real-time IoT applications by optimizing microcontroller code, improving device communication protocols, reducing latency by 15%, and ensuring smoother data flow across connected IoT devices.

CERTIFICATE AND BADGES

➢ **AWS Solutions Architect - by Microdegree:** Finished 2-month training on AWS services and cloud architecture with 80%.
➢ **Programming In Python - by Coursera:** Achieved an 8-week, 4-module course on Python syntax and data structures.
➢ **Embedded Systems - by Udemy:** Learned Embedded C, microcontroller programming, and system integration basics.
➢ **Python Essentials 1 - by Cisco**: Demonstrated proficiency in covering programming concepts and syntax with 70%.
➢ **Networking Basics - by Cisco:** Undertook a 3-week course on TCP/IP, routing, switching, protocols, and IoT applications.
➢ **Linux Fundamentals - by Microdegree:** Completed training in system administration and OS concepts; scored 70%.
➢ **MySQL Basics - Microdegree:** Proficient in relational databases and SQL queries; scored 80%.