

GOPAL VAMAN NAIK

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A result-oriented, hardworking, and self-motivated B.E student, looking for a challenging career where I can implement my coding knowledge to enhance my skills further. Good knowledge of Java, Cloud, HTML, CSS, JS, SQL, and Operating Systems. Furthermore, I can quickly learn and adapt new skills and technology dynamically

Education

RV College of Engineering Bangalore, India

2021 - 2024

- BE in Electronics and Communication Engineering

(expected)

Shree Vidyadhiraj Polytechnic, Kumta, India

2017 - 2020

- Diploma in Electronics and Communication Engineering

Skills

Java | DSA | IoT | Cloud | DBMS | AWS | Networking Protocols | HTML | CSS | JS | Cisco Packet Tracer | SQL | Python | Embedded System

Work Experience

Mitron Technologies and Innovations | [Embedded System - Intern](#)

Jan'21 - Jun'21

- Worked on customer projects from start to end, including design, implementation, and testing.
- Maintained real-time Embedded systems, including troubleshooting and resolving issues.
- Designed and implemented solutions for multiple domains, including the **Air Force** and **Indian Railways**.
- Worked with a team of engineers to design and implement complex systems.
- Learned about the latest Embedded systems technologies and best practices.

Projects

Real-Time Network Devices Monitoring Dashboard | [github](#)

Nov'23 - Dec'23

- Developing a dashboard for real-time monitoring of routers, switches, and servers.
- Providing live Status updates Traffic, Alerts, and Health parameters.
- Tools: Java, HTML, CSS, JavaScript, SQL, Spring Boot, Postman.

Development of Real-Time Crop Cultivation and Nutrient Recommendation System | [github](#)

Jun'23 - Aug'23

- A portable device that suggests the amount of additional nutrients required for a specified crop.
- Developed Mobile application for user interface using MIT App Inventor.
- Tools used: Firebase, Amazon EC2, ML, ESP32 controller, GPS Module, NPK Sensor.

Home Automation System | [github](#)

Sep'21 - Dec'21

- Architected IoT-based Home Automation System allows users to control their devices using a mobile app.
- Custom designs Based on Customer requirements.
- Tools used: Firebase, ESP32 controller, MIT App Inventor, EasyEDA, Arduino IDE.

Real-time Railroad Crossings Safety System - Indian Railway

Jan'21 - Jun'21

- Developed and maintained a real-time Railroad crossing safety System to improve public safety.
- Reduce work complexity for Indian railway employees.
- The system uses automation to track trains and secure the railroad crossings, reducing the risk of accidents.

CERTIFICATES AND BADGES

• Programming In Java -	NPTEL Online Certification	(Apr'23)
• AWS Knowledge: Cloud Essentials -	Amazon Web Services Training and Certification	(Oct'23)
• AWS Cloud Quest: Cloud Practitioner -	Amazon Web Services Training and Certification	(Oct'23)
• Python Essentials 1 -	Cisco Networking Academy	(Sep'23)
• Introduction to IoT -	Cisco Networking Academy	(Aug'23)
• Introduction to Packet Tracer -	Cisco Networking Academy	(Aug'23)
• Operating Systems Basics -	Cisco Networking Academy	(Sep'23)

INTERESTS

Photography | Editings | Hiking | Travel | Swimming