

# GOPAL VAMAN NAIK

[gopalvamannaik@gmail.com](mailto:gopalvamannaik@gmail.com) | +91-8971125701 | [LINKEDIN](#) | [GITHUB](#) | [WEBSITE](#)

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 understanding of Java, Spring Boot, Cloud, HTML, CSS, JS, SQL, and OS. 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

**Shree Vidyadhiraj Polytechnic, Kumta, India** 2017 - 2020

- Diploma in Electronics and Communication Engineering

## Skills

**JAVA | Spring Boot | DSA | JavaScript | HTML | CSS | MYSQL | RDBMS | Python | Cloud | AWS | Networking Protocols | Cisco Packet Tracer | IOT |**

## Projects

**Blogging Web App | [github](#)** Apr'24

- Architected and implemented Spring Boot backend for a dynamic blogging web app.
- Created RESTful APIs for user authentication, article, and comment management, ensuring smooth data flow.
- Tools: Java, Spring Boot, Spring Data JPA, JWT Authentication, Hibernate, Git, Postman.

**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, Spring Boot, MySQL, HTML, CSS, JavaScript, 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'23

- 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.

## 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.

## CERTIFICATES AND BADGES

- **Spring Boot Essentials** - Scaler
- **AWS Cloud Essentials** - AWS
- **Python Essentials 1** - Cisco
- **Introduction to Packet Tracer** - Cisco
- **My SQL Basics** - Great Learning
- **Programming In Java** - NPTEL
- **AWS Quest: Cloud Practitioner** - AWS
- **Introduction to IoT** - Cisco
- **Operating Systems Basics** - Cisco
- **SQL Basic** - HackerRank