

## ROHIT SHEBINAKATTI

**Address:** Rishi Comforts Gents Pg,

Opposite to Indian Bank AECS Layout Kundalahalli – 560037

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**LinkedIn:** <http://www.linkedin.com/in/rohit-shebinakatti-57bab3259>

**GitHub:** <https://github.com/rohsh22ece-cmd>



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### CAREER OBJECTIVE

Aspiring Electronics and Communication Engineer with a strong foundation in Networking, Linux, and Python, eager to contribute to both software development and hardware-driven solutions. Passionate about building innovative systems that bridge automation, IoT, and protocol testing with modern software technologies, while continually enhancing technical, organizational, and problem-solving skills.

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### EDUCATION QUALIFICATION

- **Bachelor of Engineering – Electronics and Communication Engineering**  
CMR Institute of Technology, AECS Layout, Bangalore  
8.01, 2026
- **12th Standard – Science**  
Government PU College, Guledgudd, Karnataka  
87.33%, 2022
- **10th Standard**  
Shri J G International Public School, Guledgudd, Karnataka  
70.6%, 2020

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### TECHNICAL SKILLS

- **Programming Languages:** Python, C (Basics)
- **Operating Systems & Tools:** Linux, Bash, Visual Studio Code
- **Software:** MATLAB, Multisim, CAD, Keil microvision 485, Arduino, Raspberry pi
- **QA & Automation Tools:** PyTest, Scapy, tcpdump

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### PROJECTS

#### Automated 4G/5G Network Protocol Testing Framework

- Designed and implemented a Python + Linux based QA automation framework for validating 4G/5G RAN protocols.
- Automated TCP/UDP connectivity checks, latency injection, and basic handover scenarios, reducing manual effort by ~70%.
- Integrated packet capture and analysis with Scapy/tcpdump and PyTest reporting for efficient test validation.
- **Tech Stack:** Python, Linux, Scapy, tcpdump, PyTest, Bash

#### AQUATWIN – A Digital Twin Framework for Early Water Contamination Detection

- Created an IoT-based digital twin system for real-time monitoring of water quality parameters.
- Integrated sensors (pH, TDS, turbidity, temperature) with Arduino Mega and GSM module for alerts.
- Enabled predictive analysis and anomaly detection for safe water supply using data analytics.
- **Tech Stack:** Arduino Mega, IoT Sensors, GSM Module, Arduino IDE

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### INTERNSHIP

**Company Name:** I2S Technologies Pvt Ltd

**Duration:** Nov, 2024 – Dec, 2024

**Designation:** Intern

**Roles & Responsibilities:**

- Assisted in programming and configuring PLCs for industrial automation

- Set up SCADA software for real-time monitoring and control
  - Integrated PLCs with sensors and field devices for seamless operation
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### **CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES**

#### **Online Courses & Certifications:**

- Certified in Python beginner – Udemy
- Certified in Cybersecurity Analyst job Simulation - TATA Group
- Certified in CSS, Bootstrap, JavaScript and PHP Stack – Udemy

#### **Non – Technical Club Activities:**

- Volunteered in local environmental clean-up drives, demonstrating commitment to social responsibility
- Participated in debate competitions, enhancing communication and critical thinking skills

#### **NSS:**

- Initiatives focused on promoting organic farming and water conservation techniques. Collaborated with farmers, government agencies, and NGOs to implement sustainable agricultural practices
  - Organized and coordinated successful blood donation drives
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### **PERSONAL DETAILS**

Date of Birth : 16th Jan 2004  
Gender : Male  
Nationality : Indian  
Permanent Address : Ward no-01, Kanti-peth, Guledgudd, Bagalkot Dist, Karnataka – 587203  
Linguistic Competency : English, Kannada, Hindi  
Hobbies : Endurance Sports, Listening to music