

# Shubham Ghavat

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B.Tech - Electronics and Telecommunication  
Engineering

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G.H.Raisoni College Of Engineering and  
Management, Pune

## PROFILE SUMMARY

Aspiring Electronics and Telecommunication Engineer with hands-on experience in embedded systems, microcontrollers, sensor integration, and PCB design. Demonstrated leadership through EV club roles and national-level BAJA achievements. Seeking a full-time engineering role where I can apply my technical skills, take on challenging responsibilities, and contribute effectively to organizational goals.

## EDUCATION

| Degree/Certificate | Institute/Board   | CGPA/Percentage | Year         |
|--------------------|---|-----------------|--------------|
| B.Tech.            | G.H.Raisoni College of Engineering and Management, Pune | 8.43 (Current)  | 2026-Present |
| Higher Secondary   | G.V.Khade Vidyalaya and Jr.College, Shahapur            | 56.83%          | 2022         |
| Secondary          | M.N.Barora M.V.S. Shahapur                              | 86.20%          | 2020         |

## PROJECTS

### • Multimodal Cardiovascular Disease Detection Using Machine Learning

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- Developed a compact multimodal cardiac monitoring system using ECG, PPG, and PCG sensors integrated with ESP32.
- Implemented machine learning algorithms to detect early cardiovascular abnormalities from synchronized physiological signals.

### • Tri-Band MIMO Microstrip Antenna

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- Designed and fabricated a tri-band MIMO patch antenna using an MIS series-fed taper layout on an FR-4 PCB.
- Performed simulation and impedance matching using CST-19 Studio Suite.

## SKILLS

- **Programming:** C Programming, Embedded C
- **Software & Tools:** Eagle CAD, Proteus, MATLAB, CST-19, Visual Studio Code, MS Excel, MS Office
- **Hardware & Embedded:** ESP32, Arduino, PCB Design & Fabrication, IOT, Antenna Design, Embedded Systems
- **Operating Systems:** Windows
- **Soft Skills:** Leadership, Teamwork, Problem Solving, Adaptability

## POSITIONS OF RESPONSIBILITY

### • Vice-President, E-Vehicle Club, GHRCE Pune

*2023 & 2024*

- Lead and coordinated club activities focused on electric vehicle development and team management.
- Represented the club in national-level BAJA SAE competitions and oversaw preparation for events and evaluations.

## ACHIEVEMENTS

### • National Rank – AIR 27, E-BAJA 2024, BAJA SAEINDIA

*2024*

### • National Rank – AIR 33, E-BAJA 2025, BAJA SAEINDIA

*2025*

### • National Rank – AIR 4, A-BAJA 2025 (Autonomous), BAJA SAEINDIA

*2025*

### • First Prize – Best Idea Competition, Project: Multimodal CVD Detection Using Machine Learning

*2025*

## EXTRACURRICULARS

### • Vice-Captain, Team Abhyuday E-BAJA, GHRCEM Pune

*2024 – 2025*

### • Member, Team Abhyuday A-BAJA, GHRCEM Pune

*2025*

### • Student Volunteer, Department-Level Technical Workshops & College Events