

GAYATRI WAGHMARE

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CAREER OBJECTIVE

Detail-oriented 3rd-year Electronics and Telecommunication Engineering student skilled in programming languages like HTML, C, C++, Java, Python, DBMS, and data structures, with a strong interest in embedded systems and firmware development. Quick learner with strong problem-solving abilities, seeking opportunities in software and embedded system roles.

ACADEMIC PROJECTS & INTERSHIPS

INTERSHIP

- Embedded System Engineer Intern - Sofcon India Pvt.Ltd.(2 months On-site)
- Java Programming Virtual Internship – Codtech IT Solutions (1 Month)
- Python Programming Virtual Internship – Kodbud Solutions (1 Month)
- Embedded System Virtual Internship - Emertxe Information Technologies(2 Month)

PROJECTS

4-bit Binary Multiplier (Vedic Mathematics)

- Designed a 4-bit multiplier using Vedic logic and digital gates for faster computation

IoT-Based Automated Watering System for Indoor Plants

- Built an automated irrigation system using sensors and microcontroller for smart watering

Edge AI-Based Autonomous Vehicle Perception System

- Developed a real-time object detection system using OpenCV, YOLO, and Raspberry Pi

Patient Health Monitoring System

- Built using Raspberry Pi, sensors, and Python for real-time health monitoring and graphical data visualization

CERTIFICATIONS

- NPTEL – Enhancing Soft Skills and Personality
 - NPTEL – Technical English for Engineers
 - DSA with Java - Apna College
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EDUCATION

Bachelor of Engineering (Electronics & Telecommunication)

Modern Education Society's Wadia College of Engineering, Pune

2022 – 2027

- First Year CGPA: **9.1**
- Second Year CGPA: **8.8**

Higher Secondary Certificate (12th) Secondary School Certificate (10th)

Fergusson College, Pune

2022

Hira English Medium School

2020

ADDITIONAL INFORMATION / SKILLS

- **Languages:** Python, Java (Basics), C, C++, HTML, CSS (Frontend), Web Development (in progress), SQL, DBMS, Software Development Life Cycle(SDLC), Raspberry Pi
- **Tools/Software:** Keil Microvision, MATLAB, Simulink, VNC Server
- **Other:** Familiar with CAN communication protocols