

# Hema G

Tirupattur,Tamil Nadu,India | hema.govindaraji@gmail.com | 8925305873  
<https://www.linkedin.com/in/hema-g200510> | <https://github.com/Hema200510>

## SUMMARY

---

- Dedicated Biomedical Engineering student with a strong passion for the development of medical devices and innovation in healthcare. Focused on creating practical and cost-effective solutions to improve patient outcomes and address real-world medical needs. Experience in designing health monitoring systems and contributing to impactful biomedical projects. Brings creativity, commitment, and a strong problem-solving mindset with a desire to grow in a challenging, innovation-driven environment.

## Education

---

### SRM Institute of Science and Technology, Kattankulathur

Aug 2023 - Present

Bachelor of Technology in Biomedical Engineering

Tamilnadu,India

- CGPA: 9.02/10

### HOLY CROSS Matriculation Higher Secondray School

June 2021 - May 2022

Coursework: Biology, Mathematics, Physics, chemistry

Tamilnadu, India

- Grade : 80.5

## Experience

---

### Member, Aakash Research Labs

Sept 2024– Present

Educational Club in SRM University

- Working on projects that connect electronics with healthcare to develop useful and innovative solutions.
- Strengthened technical and analytical skills through hands-on project work in a collaborative and research-driven environment.

### Member, Directorate of Student Affairs (DSA), SRM University

April 2025- Present

- Managed financial aspects of student activities, including Milan 2025.
- Assisted with budgeting, fund allocation, and event coordination.
- Contributed to the smooth execution of campus events and student programs.

### Biomedical Engineer Intern, Sri Narayani Hospital and Research Center

December-2024

- Gained practical exposure to the functioning and maintenance of various medical equipment used in clinical settings.
- Learned about hospital equipment management, safety standards, and clinical workflows in a real-time healthcare environment.
- Gained hands-on exposure to the operation, handling, and basic troubleshooting of essential medical equipment.

## Certifications

---

### • AICTE Virtual Internship Certificate

Embedded System Developer Virtual Internship

### • World Health Organization

September 7,2024

Medical Equipment electrical Safety testing

### • COURSERA

April 17, 2024

Crash Course on Python

## Projects

---

### Solar Based Mobile Phone Charger

April 23 - 2024

- Physics Mini project
- The solar-based mobile phone charger harnesses energy from sunlight through photovoltaic cells, converting it into electricity, which is then regulated and used to charge mobile devices efficiently. This eco-friendly solution ensures on-the-go power without reliance on traditional energy sources.
- Tools Used: Solar panel, Rechargeable Battery, Voltage Regulator, USB module, Multimeter.

## Additional Information

---

**Languages:** Tamil, English

**Programming languages:** Basics in Python

**Technical skills:** Technical Skills: Wokwi, Cadence Simulation Software, Easy-EDA, KiCad

**Soft Skills:** Project Management, Leadership, Communication, Problem-Solving, Teamwork, Adaptability