

MARIGANESH M

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Biomedical Engineer

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SUMMARY

Enthusiastic Biomedical Engineering student with a strong base in medical technology and hands-on project experience. Skilled in biomedical system design, website development, and basic Python programming. Passionate about using technology to improve patient care and healthcare innovation.

EDUCATION

Sri muthukumaran Institute of technology

B.E Biomedical Engineering 2022 – 2026

CGPA - 7.9

Government Hr Sec School, Pattukottai

HSC - 55.3% 2021 - 2022

SSLC - 57.2% 2019 - 2020

SKILLS

- Time-management & Task Prioritization
- Website (HTML | CSS | JAVASCRIPT)
- Detail-oriented and able to handle multiple tasks simultaneously
- MS- Word | Excel | PowerPoint
- Embedded system & IoT
- Basic of Python Programming
- Medical Instrumentation
- Canva design

CERTIFICATIONS

- Harvey Biomedical (Medical Device Quality Assurance)
- Deepam Academy Of Medical Sciences(3D Printing For Artificial Organs)
- International Conference MDDDS (Paper Presentation)
- IIRS(Geo-data sharing and cyber security)
- Molecular Innovations In Entomology For Agricultural Sustainability
- IEEE-SBC61411A (Research Presentation)

INTERESTS

Interested in embedded systems, IoMT, IoT, web design, and creative freelancing projects using Canva.

INTERNSHIPS

Focus Imaging Systems

Oct 2024

An internship at Focus Imaging Systems offers real-world experience with medical imaging equipment and helps build practical biomedical engineering skills

Deepam Hospitals.

Mar 2024

Adequately trained in operating and maintaining ultrasound, ICU, healthcare, and physiotherapy equipment, ensuring accurate performance and patient safety.

WORKSHOPS

Leeway Biomedical

- Gain hands-on knowledge by dismantling and reassembling syringes and infusion pumps.
- The workshop provided hands-on experience and in-depth knowledge of ICU monitoring equipment.

Marina labs

The workshop gave me practical experience with aerobiology instruments like the Anderson Pipette, Liquid Impinger, and Andersen Cascade Impactor.

PROJECTS

Wireless Non-Invasive Approach for Blood Glucose Monitoring

- A wireless non-invasive blood glucose monitor lets people track their sugar levels comfortably without drawing blood. It uses smart sensors to read glucose levels through the skin and shares the data instantly with a mobile app or doctor.

LANGUAGES

- TAMIL ●●●●●
- ENGLISH ●●●