

MANNA MOSES CM

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PROFESSIONAL SUMMARY

Innovative Biomedical Engineer passionate about bridging technology and healthcare to improve patient outcomes. Skilled in biomedical instrumentation, prototyping, and advanced data analysis. Dedicated to delivering reliable, efficient, and compliant biomedical solutions that drive progress. Committed to integrity, continuous learning, and delivering results under minimal supervision.

EDUCATION

- **BE Biomedical Engineering** | SNS College of Technology *Nov 2022 to Mar 2026*
- **BE Minor in AI and Data Science** | SNS College of Technology *Jan 2024 to Mar 2026*

SKILL SET

- **Tech Stack:** Knowledge in Diagnostic and Therapeutic Equipment functionality, Basic Biomedical Equipment Operation & Maintenance, Clinical Instrumentation and Signal processing, Basic Embedded systems and Sensor integration, Medical Imaging Systems, Knowledge of Medical Device Regulations
- **Soft Skills:** Problem-Solving and Analytical Thinking, Team Collaboration and Communication, Adaptability and Quick Learning, Integrity and Professional Ethics, Open to Feedback and Mentorship
- **Tech & Tools:** Windows, Google Workspaces, Basic Data Analytics or Documentation
- **Linguistic Skills:** English, Tamil, German and French

INTERNSHIP EXPERIENCE

- **Assistant Embedded Systems Developer (Dec 2022 – Jan 2023) | Emglitz Technologies | Coimbatore**
Assisted in developing and testing embedded systems for medical device applications.
- **Development Team Lead (Jun 2024 – Aug 2024) | Mindful AI | Coimbatore**
Led a team in developing AI-based healthcare solutions and managing end-to-end project execution.
- **Sri Ramakrishna Multi-Speciality Hospital (Jun 2025 – Jul 2025) | Coimbatore**
Gained practical exposure to biomedical equipment management and clinical support in a multispecialty hospital setting.

PROJECTS

- **Gesture Monitoring System (2023)**
Designed a system to detect and respond to contactless body gestures for athletes to control in healthcare applications.
- **Image Classification of Lung Disease Using Machine Learning Model (2024)**
Developed a machine learning model to classify lung diseases from medical images for early diagnosis support.
- **Hospital Queue Optimization (2025)**
This project manages hospital queues and beds by prioritizing emergency patients to reduce waiting time and improve resource utilization with 100% accuracy.

CERTIFICATIONS

- Advanced Medical Equipment | Atheena Pandian Biomedical Company (2024)
- Gen AI | Hexa IT Corp (2024)
- Organ Printing | NPTEL (2024)
- Advanced Medical Coding | Ideal Medical Coding Academy (AAPC Approved) (3 months - 2025)

LEADERSHIP AND AWARDS

- Public Speaking, Mentoring & Peer Tutoring
- Shadowed Healthcare professionals during hospital visits and Equipment handling for junior batches
- Youth United Council of India Executive member (2024)
- Authored, Presented and Published Research Paper at IEEE Conference (2025)