

GURU PRASATH M

Biomedical Engineer

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PROFILE:

Highly motivated **Biomedical Engineer** with expertise in **medical devices, bio-signal processing, and AI in healthcare**. Skilled in designing, analyzing, and optimizing biomedical systems. Passionate about integrating **machine learning and AI** into medical applications to enhance diagnostics and patient care.

EDUCATION:

B.E in Biomedical Engineering

Easwari Engineering College| CGPA: 7.6

2023- 2027

SKILLS:

- **Technical Skills:** Medical Image Processing, Bio-Signal Analysis, Machine Learning, Deep Learning, MATLAB, Python
- **Programming Languages:** Python, C, C++
- **Software & Tools:** MATLAB, LabVIEW, AutoCAD, Proteus
- **Databases:** MySQL, MongoDB
- **Operating Systems:** Windows, Linux
- **Languages:** Tamil, English, Hindi

PROJECTS:

Pulse oximeter : Pulse Oximeter Project

- **Hardware Components:** Integrated Spo2 sensor, LEDs, and photodiode to measure blood oxygen saturation levels.
 - **Responsibilities:** Designed and implemented the hardware setup, ensuring accurate readings and efficient performance.
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CERTIFICATIONS:

Infosys certificate: Introduction to Artificial Intelligence, Introduction to Data Science, Java Concepts, Programming in C, Machine learning with matlab.

Great Learning certificate: Data Visualization in power bi.

CISCO certificate: Networking Basics, Python Essentials 1 & 2, Data Analytics.

NPTEL certificate: Introduction to IoT with 67%.

Hp Life: AI for Beginners.

INTERNSHIPS:

Intern – Biomedical Internship

Kaashiv Infotech | 17 December 2024 - 26 December 2024

- Gained hands-on experience in **biomedical technologies**, focusing on data collection, analysis, and application in health tech projects.
 - Collaborated with the team to develop and optimize solutions for biomedical systems.
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VOLUNTEER SERVICE:

Rotaract Club of SRM Easwari- Sports and Cultural Director