

SUCHITRA H

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EDUCATION

Bachelor of Engineering in Medical Electronics	Expected graduation: 2026
BMS College of Engineering, Bangalore	CGPA: 8.14
Pre-University Course (PUC)	2022
St. Joseph's Indian Composite PU College, Bangalore	79.83%
SSLC	2020
Madonna School, Bangalore	90.08%

SKILLS

Languages: C, C++, Python, Java, Verilog (HDL)

Technical Tools: MS Office, Tableau, Power BI, LabVIEW, ModelSim, MATLAB, Simulink.

Embedded & IoT: Arduino IDE, Proteus, ESP32, UART, I2C, SPI.

Soft Skills: Communication, Teamwork, Problem Solving, Time Management.

PROJECTS

► ECG Monitoring System for Arrhythmia Detection

- Built an ECG monitoring system using ESP32 & AD8232 with Wi-Fi transmission to Ubidots IoT cloud.
- Implemented spectrogram-based CNN models for arrhythmia detection and classification.

► Homemade cakes Website development

- Developed a responsive website for showcasing and promoting cakes using HTML, CSS, and JavaScript.
- Implemented a user-friendly design to enhance customer browsing and order experience.

► Hearing loss Simulator Applet (Java)

- Developed a Java applet to simulate hearing loss with tone generation and adjustable sound parameters.
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CERTIFICATIONS

- Data Analytics (Cisco)
 - Web Development Fundamentals (IBM SkillsBuild)
 - Machine Learning (Simplilearn)
 - AI Skills (EY and Microsoft)
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ACHIEVEMENTS

- HackerRank certification test - Problem Solving (Basic) August 2025
 - Deloitte Australia Data Analytics Job Simulation on Forage - July 2025
 - Community Service Volunteer - NSS (Learn 2 Learn program)
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INTERESTS

Chess, Drawing, Logic games, Art & Craft, Dance.