Dheeraj Erpa

Software Engineering & Embedded Systems

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PROFILE

Software engineering master's student with a bachelor's degree in electronics and communication engineering. Interested in working-student roles involving software development, embedded systems, and testing.

EDUCATION

Software Engineering | Master's studies

University of Europe for Applied Sciences · Potsdam, Germany · In progress

Bachelor of Technology | Electronics and Communication Engineering

Malla Reddy College of Engineering · Hyderabad, India · 2020–2024

SELECTED PROJECTS

Wearable heart-rate and temperature monitoring

Final-year engineering project · August 2023–April 2024

Worked on a wrist-worn monitoring prototype that combined heart-rate and temperature readings with IoT connectivity. Integrated sensor inputs with alert logic to flag irregular readings for review.

Contestation wording in UK transparency records

Team research project · 2026 · Project repository

Used Python and Jupyter to examine wording across 153 archived records. Documented the matching rules and linked reported counts to source passages.

SKILLS

Programming C, C++, Python

Electronics Embedded systems, PCB design, sensors, digital communication, IoT

Tools Git, Jupyter, Blender

Languages Telugu (native), English (B2)

PROFESSIONAL DEVELOPMENT

Seminar on PCB Circuits · Kompally, Secunderabad · July 2023