

ADVAITHA KIRAN

Engineer

Contact

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Karnataka, India

Skills

- VHDL
- VLSI design
- Python
- C
- Embedded systems
- Digital design

Education

J.S.S. ACADEMY OF TECHNICAL EDUCATION BANGALORE Present
ENGINEERING

SKCHCPUC Jun 2020 - May 2022
12TH/PUC

Prarthana Central School Jun 2019 - Mar 2020
10TH

Projects

JSSATEB Mar 2025 - Present
AI - ENABLED ROBOT SWARM

- Machine Learning
- Team Collaboration
- Problem Solving

JSSATEB Nov 2024 - Dec 2024
DEVELOPMENT OF TRIBOELECTRIC NANOGENERATOR(TENG)
SYSTEM FOR ENERGY RECOVERY IN VEHICLE

The triboelectric effect is the phenomenon of electrical charge generation through contact and separation between two materials. When these materials come into contact and are then separated, electrons transfer from one to the other based on their triboelectric polarity, resulting in one material becoming positively charged and the other negatively charged. This basic principle, observed in everyday experiences like rubbing a balloon on hair, is being explored for advanced applications. In particular, it forms the foundation of triboelectric nanogenerators (TENGs), which harvest mechanical energy—such as vibrations, movements, or pressure—and convert it into electrical energy for powering small electronics, sensors, and other devices.

- Problem Solving
- Team Collaboration
- MATLAB

Certifications

MATLAB Feb 2024 - Feb 2024
MATLAB onramp

- MATLAB

MATLAB Dec 2024 - Dec 2024
Object-Oriented Programming Onramp

- MATLAB
- Data Structures & Algorithms
- Object-Oriented Programming

Udemy Feb 2023 - Mar 2023
C programming

