

AKSHAY H S

Engineer

Contact

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7411439080

Karnataka, India

Skills

C++

Java

Computer-Aided Design
(CAD)

Data Structures & Algorithms

embedded system design

Projects

JSSATEB

Apr 2025 - 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

JSSATEB

Mar 2025 - Present

AI Enabled Robot swarm

Machine Learning

Team Collaboration

Problem Solving

Certifications

MATLAB

Apr 2025 - Apr 2025

Object oriented programming

MATLAB

Data Structures & Algorithms

Object-Oriented Programming

MATLAB

Feb 2024 - Apr 2025

MATLAB ONRAMP

MATLAB

Education

J.S.S. ACADEMY OF TECHNICAL EDUCATION BANGALORE

Apr 2024 - Present

ENGINEERING

The New Cambridge English School, ICSE

Mar 2019 - Jul 2020

10TH

C++

Oxford Independent PU College

Apr 2021 - Apr 2025

12TH/PUC

