BHUVANESHWARI E

CONTACT

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Bhuvaneshwari-Portfolio

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AREAS OF INTEREST

- Electronics Device & Digital Circuits
- CAD Modelling
- Internet of Things
- Web Development

SKILLS

- CAD Modelling
- Web Designing
- Programming Skill
- Leadership

LEADERSHIP

- Joint Treasurer | TRS(2025-2026)
- Class Representative(2023-2024)
- Class Monitoring Committee Member(2024-2025)
- Conducted events, workshop and guest lecture in TRS, WDC and RBC

EXPERIENCE

MEMBERSHIP IN ACADAMICS

- Women Development Cell | Executive Member(2025-2026)
- Rotaract Club | Executive Member(2024-2026)
- The Robotic Society | Designing Member(2024-2025)

PROFILE

I am a passionate Mechatronics Engineering student with interests in design, automation, web technologies, AI-powered solutions and innovative product design. I enjoy building prototypes, working with CAD tools, and contributing to sustainable engineering solutions.

EDUCATION

Bachelor of Mechatronics Engineering 2023 - 2027
Kongu Engineering College, Perundurai
GPA: 8.51

Higher Secondary Certificate 2022 - 2023
Vivekanandha Vidhyalaya, Muthur
Percentage: 78.5

Secondary School Leaving Certificate 2021 - 2022
Vivekanandha Vidhyalaya, Muthur
Percentage: All Pass

PROJECTS

Automated Oil & Water Refining System SIH'25

A three-stage system using skimming, filtration, and activated carbon for efficient oil-water separation. (Top 4 position – Internal Hackathon)

Technologies Used: *Sensors, actuators, microcontroller, multi- filtration*

Footstep-Based Power Generation System REALMS'25

A system that converts footstep pressure into electrical energy using piezoelectric sensors for low-power applications.

Technologies Used: *Piezoelectric, microcontroller, energy storage unit*

Event Ticketing Website FULL STACK

Developing a web-based platform for selling and managing event tickets, allowing users to browse events, book tickets, and manage registrations.

Technologies Used: *React, Node.js, MongoDB, Razorpay*

Non-Electrical Solar Tracking System SIH'24

A non-electrical solar tracking system that uses a bi-metallic strip's thermal expansion to adjust panel position and improve energy capture.

Technologies Used: *Bi-metallic strip, pivot, solar panel and frame*

Automated Ceiling Fan Cleaning System IDEATHON'24

An automated ceiling fan cleaning system using a motorized mechanism with microfiber lining.

Technologies Used: *Microfiber,MG996R,ESP8266,PVC*

CERTIFICATIONS

SOLIDWORKS CAD Design

Relay | Credit course

CATIA | Credit course