

VIMAL DHANDAPANI

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CAREER OBJECTIVE

To secure a challenging position in the core mechanical sector where I can leverage my technical expertise, problem-solving abilities, and leadership skills to contribute effectively towards organizational growth while continuously enhancing my professional knowledge.

EDUCATION

Degree/Exam	Institution	CGPA/Percentage
B.E. Mechanical Engineering (2022–2026)	KPR Institute of Engineering and Technology	7.3 CGPA (till 6th sem)
HSC (Class XII, 2022)	Sri Chaitanya Techno School, Coimbatore	73.8% (369/500)

PROJECTS

- **Vehicle Detection Module** – Designed a detection system using ultrasonic sensors and Arduino for real-time obstacle monitoring.
- **Ultrasonic Blind Stick** – Developed a smart stick using sensors to aid visually impaired people with proximity alerts.
- **Automated Irrigation System** – Created a water-efficient irrigation system based on soil moisture and environmental conditions.
- **Automated Cattle Feeder** – Built a feeding system to dispense cattle feed automatically at set intervals.

INTERNSHIPS

- **VR Pumps, Coimbatore** – Gained hands-on experience in pump manufacturing processes, assembly, and testing.
- **Alfa Tech, Coimbatore** – Learned about core manufacturing practices, machining, and industrial operations.

WORKSHOPS & TRAINING

- **Fusion Workshop** integrated with Ekki Pumps – 1-day industry-focused program on pump systems and applications.
- **Autodesk Fusion 360 Workshop** under Naan Mudhalvan – Training on CAD design and simulation tools.
- **GD&T Upskilling Course** – Gained expertise in geometric dimensioning and tolerancing for design accuracy.
- **L&T Industrial Pipeline Engineering Course** – Learned fundamentals of industrial piping design and safety.
- **Bosch Certification** – Certified in electrical systems in cars, HVAC systems, and sensor systems.

ACHIEVEMENTS

- Secured **3rd Place** in Hackathon for **Ultrasonic Blind Stick** prototype.
- Won **1st Place** in Paper Presentation on **Waste Heat Management**.
- Achieved **2nd Place** in Poster Design Competition on **Sustainable Development Goals (SDG)**.

POSITIONS OF RESPONSIBILITY

- **Secretary**, Ignitreron Clubhouse (Technical Club), KPRIET (2024–25).
- **Treasurer**, Mechanical Engineering Association, KPRIET (2023–24).

TECHNICAL SKILLS

- **Software:** AutoCAD, SolidWorks, Autodesk Fusion 360, MATLAB (basics)
- **Programming:** C, Java (beginner)
- **Core Knowledge:** Manufacturing processes, thermodynamics, fluid mechanics, CAD/CAM, CNC machining, Supply Chain Management

LANGUAGES

- English – Proficient
- Tamil – Native
- Hindi – Basic

SOFT SKILLS

- Leadership and Team Management
- Problem-Solving and Analytical Thinking
- Communication and Presentation
- Time Management and Adaptability