

# BALAJI D

## MECHANICAL ENGINEER

✉ [balajidhandapani29@gmail.com](mailto:balajidhandapani29@gmail.com)

📌 [Balaji Dhandapani](#)

📍 No,53 East street,  
poomangalam ,  
Karaikal - 609607

☎ +91 86676 22897

### PROFILE INFO

Dedicated and enthusiastic mechanical engineering graduate with a passion for innovation and a strong foundation in mechanical engineering. Seeking an opportunity to join a reputed organization where I can apply my technical skills, including proficiency in design and simulation, expand my knowledge, and contribute to the company's success.

### EDUCATION

**B.TECH** 6.5 CGPA 2021 - 2025

PUDUCHERRY TECHNOLOGICAL  
UNIVERSITY

- Mechanical Engineering

**HSC** 83.5% 2020 - 2021

REGIONAL PERFECT HS SCHOOL,  
NEDUNGADU

**SSLC** 81% 2018 - 2019

SRI VIKNESWARA HIGH  
SCHOOL, SETHUR

### INTERNSHIP

**ARCHIDES STUDIOS - chennai**

DEC-2023

- Established strong knowledge base in architectural fundamentals. Assisted with planning, support and execution of virtual and in-person engagements.

**MSME - Puducherry**

FEB-2023

- Practical Training: Gained hands-on experience in designing special parts and manufacturing processes. Industry Insight: Enhanced understanding of industry practices and equipment design.

### TECHNICAL SKILLS

- CREO
- Product development
- 3D Modelling
- Design Optimization
- Quality Control and Testing

### SOFT SKILLS

- Research and Development
- Critical Thinking
- Project Management
- Attention to Detail
- Teamwork Ability

### LANGUAGES

- English
- Tamil

### PROJECT

**SMART CONVEYOR SYSTEM WITH AUTOMATED  
PRODUCT COUNTING AND CLASSIFICATION THROUGH  
PYTHON-BASED GUI CONTROL PANEL**

- Automating product counting using sensor based detection
- Implementing real-time classification of products using computer vision techniques .
- Providing a Centralized GUI control panel for real-time monitoring and adjustments. .
- Ensuring seamless transportation and sorting of products in an industrial setup.
- This system will improve accuracy, Efficiency, and automation in manufacturing processes, reducing manual efforts and errors.

### CERTIFICATION

- Mechanical product design workshop,
- piping design engineering workshop
- matlab certifications,
- IVAC Certification
- 3D-Printing workshop
- Electric and hybrid vehicle