

JAYASURYA

BHAKTHAVACHALAM

CONTACT

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TECHNICAL SKILLS

- MS-Office
- AutoCAD
- Revit
- SketchUp

LANGUAGES

- Tamil
- English

INTERNSHIP

DPR ENGINEERING

SKILLS

- Team Work
- Time Management
- Critical Thinking
- Hard Work



PROFILE

Motivated and detail-oriented Civil Engineering graduate with a strong foundation in structural design, construction management, and site supervision. Proficient in AutoCAD and MS Project, with a solid understanding of civil engineering principles and project lifecycle. Completed academic projects involving residential and commercial building designs with a focus on sustainability and safety. Eager to apply theoretical knowledge to real-world construction challenges and contribute effectively in a dynamic engineering team. Strong analytical, problem-solving, and teamwork skills with a commitment to continuous learning and professional development.



PROJECT EXPERIENCE

Sustainable Brick Project Using Plastic Waste

Recycling Plastic Waste: Converts plastic waste into a valuable construction material, reducing landfill burden and environmental hazards.

Energy Efficiency: Manufacturing requires lower energy compared to traditional brick kilns.

Durability: Bricks are water-resistant, termite-proof, and have high compressive strength.

Lightweight Design: Easier transportation and handling in construction projects.

Cost-Effective: Utilizes readily available waste materials, reducing production costs.

PROCESS

1. Collection and Sorting: Gather plastic waste from various sources, including households, industries, and recycling centers.
2. Shredding and Melting: Clean the plastic, shred it into small pieces, and melt it under controlled conditions.
3. Mixing: Combine molten plastic with sand, fly ash, or other fillers for enhanced strength and insulation.
4. Molding: Pour the mixture into molds of desired brick shapes and allow it to cool and harden.



EDUCATION

B.E CIVIL ENGINEERING

2022-2025

AVIT ENGINEERING COLLEGE - CHENNAI

DIPLOMA IN CIVIL ENGINEERING

2019-2021

VENKATESHWARA POLYTECHNIC COLLEGE -

VELLORE

SSLC

2018-2019

VIDHYAVIKASH MATRIC HR SEC SCHOOL