

Sharifa Marrimanu

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Education

PhD in Geotechnical Engineering

2026 – Present

IIT Madras

M.Tech in Geotechnical Engineering

2024 – 2026 — CGPA: 8.00

IIT Palakkad

GATE 2024 (Civil Engineering) – Score: 517, Qualified

B.Tech. in Civil Engineering

Jan 2021 – Apr 2024 — CGPA: 8.03

Mother Theresa Institute of Engineering & Technology , Palamaner

Intermediate

June 2018 – March 2020 — CGPA : 7.15

Sri Vani College , Palamaner

Metriculation

March 2018 — CGPA : 8.5

KVCR ZPH School , Rayalapeta

Projects

Influence of Carbonation on the Performance of High-Water Content Organic Soft Clay Stabilized Using Alkali-Activated Binder

Supervisor: Dr. [Rakesh J Pillai], IIT Palakkad

Co-Supervisor: Dr. [N. Sai Surya Sree Aparna], IIT Palakkad

2025 – 2026

Investigated the effect of carbonation on alkali-activated binder stabilized high-water-content organic clay, focusing on strength, density, and microstructural changes using UCS and FTIR analysis.

Design Of High-Rise Structures With Different Types Of Codes

2023 – 2024

For the design of high raised building, we are using “STAAD PRO” software for structure designing .

The design of buildings based on following codes such as IS 456-2000, IS 875-part 1 (Dead loads), IS 875-part 2 (Imposed loads), IS part 3 (Wind loads of building).IS 1893:2002(seismic load).

Internships

Design of foundations

(Larsen & Toubro limited)

May 2025 – July 2025

Basic Knowledge of foundation design

Structural Analysis Design using STAAD PRO

(Skill Dzure limited)

Feb 2024 – Apr 2024

Observed the 3D structural analysis and design for both steel and concrete structures.

Passive Fire Protection from Institute of Passive fire Protection

(GIPFP)

June 2023

Studied and observed the importance of installation of fire stops and penetration seals to prevent the spread of fire and smoke.

Presentations

- Densification of granular soil by dynamic compaction
- Design Of Machine Foundation —
- Analysis of Building Failures at Chowdawaram Srikakulam, Andhra Pradesh

Certifications

- Certified in Auto CAD from Learnnet Skills Limited (2023)
- Certified in Structural Analysis Design using STAAD PRO From Skill Dzure limited (2024)
- Certified in Revit Architecture & Structure, Learnnet Skills Limited (2022)

Skills

Tecnical Skills: Plaxis 2D & 3D (basic) , Auto CAD, STAAD PRO, Revit .

Tools: MATLAB, LATEX (basic Proficiency)

Soft Skills: Project Management, Teamwork

Languages

English (Read, Write, Speak)

Urdu (Read, Write, Speak)

Telugu (Read, Write, Speak)

Hindi (Read, Write, Speak)

