

SHANTHI S

Address: No.3 Apparaj Street, Chinnasekkadu, Manali, Chennai-600068  
Email id: shanthi12131@gmail.com  
Contact: 7708435865  
Linked in: www.linkedin.com/in/shanthi-shanmugam-306709256



CAREER OBJECTIVE

I am a highly motivated and ambitious civil engineering student, eager to contribute to challenging and innovative projects. Passionate about learning, problem-solving, and applying technical knowledge to deliver sustainable and impactful solutions.

EDUCATION

Degree/ Examination	Year of Passing	School/Institute	Board/University	Percentage%/ CGPA
B.E (CIVIL ENGINEERING)	2026	R.M.K. Engineering College	Anna University	9.55
Class XII	2022	St. Joseph Hr Sec. School	State Board	90.8
Class X	2020	Don Bosco Mat. School	State Board	80.6

PROJECT WORK

- “Landuse Predictive Modelling of Emerging Corridors of Chennai Metropolitan Area”**  
| *Ongoing 7<sup>th</sup> semester* |  
Spatio-temporal LULC change detection and predictive modelling of urban corridors in Chennai Metropolitan Area using Remote Sensing and GIS techniques.
- “Comparative Study of Weighted Overlay and Frequency Ratio Methods For Improved Flood Hazard Mapping”** | *during 6<sup>th</sup> semester (19 May 2025 – 14 July 2025)* |  
Performed comparative flood hazard mapping using ArcGIS and Python applying Frequency Ratio and Weighted Overlay methods to evaluate spatial risk and demonstrate the objectivity of FR for reliable disaster planning.
- “Wind Farm Site Selection Using GIS”** | *during 5<sup>th</sup> semester (Sep 2024 - Nov 2024)* |  
Optimal site identification for wind farms in Tamil Nadu using GIS and Weighted Overlay Analysis.

## INTERNSHIPS

1. **IIT Madras (Flood Hazard Mapping using GIS & Python) | 19 May 2025 – 14 July 2025** flood-prone zone identification using Frequency Ratio (FR) and geospatial analysis, gaining hands-on experience with spatial datasets, raster reclassification, Python, and Google Earth Engine.
2. **Civil AutoCAD, US SOFT Authorized Training Centre | 1 June 2024 – 1 July 2024** Gained hands-on exposure to advanced design techniques in AutoCAD and refined technical skills by creating precise civil engineering drawings for real-world applications.

## CONFERENCE

1. **National Conference on Recent Advances and Innovations in Civil Engineering (RAICE – 2024), Velammal Engineering College, Chennai | April 17, 2024 |**  
*Presented a paper on “SLAM Integrated with UAV” highlighting its applications in civil engineering for autonomous navigation and 3D mapping.*
2. **National Conference on Recent Advancement in Agricultural and Civil Engineering (RAACE – 2025), Kongunadu College of Engineering and Technology, Trichy | March 15, 2025 |**  
*Presented a paper on “Wind Farm Site Selection Using GIS” showcasing spatial analysis techniques for optimal renewable energy planning.*

## AREA OF INTEREST

- Foundation engineering
- Concrete technology
- Remote sensing and GIS
- Design and visualization using Building Information Modelling.

## SOFTWARE PROFICIENCY

- Technical Software : AutoCAD, STAAD.Pro, ArcGIS Pro, Revit, QGIS, Google Earth Engine
- Programming : Python(Basics), C(Basics)
- Office Packages : Microsoft Office

## ACHIEVEMENTS

- Secured **1<sup>st</sup> place** in the Intra-Department Paper Presentation competition during second year on **SLAM Integrated with UAV** at R.M.K. Engineering College
- Secured **2<sup>nd</sup> place** in the Intra-Department Project demonstration competition during third year on **Wind Farm Site Selection Using GIS** at R.M.K. Engineering College
- Awarded ₹3500 worth of vouchers for academic excellence in both 2<sup>nd</sup> and 3<sup>rd</sup> year of undergraduate studies.
- Received ₹10000 of Scholarship on both 2<sup>nd</sup> and 3<sup>rd</sup> year of undergraduate studies.

## CERTIFICATIONS

### ➤ AISC-DTS Certificate

1. Detailer Training Series

### ➤ COURSERA Certificates

1. Advanced Mapping with ArcGIS
2. BIM Fundamentals For Engineers
3. Basics of Python

### ➤ Esri Mooc Certificate

1. ArcGIS Online Basics

### ➤ NPTEL certification

1. Advanced Topics In Science And Technology of Concrete (Feb-Mar 2024(4- week course))
2. GPS Surveying (Jul-Aug 2023 (8-week course))
3. Soft Skill Development (Jan-Mar 2023 (8-week course))

## SOFT SKILLS

- Quick learner
- Team Building
- Leadership Quality
- Adaptability and Flexibility

## PERSONAL DETAILS

- Father's Name : M Shanmugam
- Date of Birth : 12<sup>th</sup> March 2005
- Linguistic Proficiency: Tamil, English.

## REFERENCE

Name : Dr. A. Hemamathi

Designation : Associate Professor

Institution: R.M.K.Engineering College

PH.No : 9840476978

Email id : [ahm.ce@rmkec.ac.in](mailto:ahm.ce@rmkec.ac.in)

## DECLARATION

I, SHANTHI, do hereby confirm that the information given above is true to the best of my knowledge.

Date:

Place: Chennai

(SHANTHI)