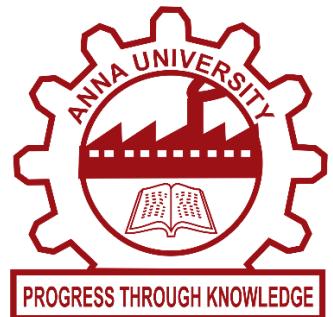# K.L. THARUN

B.E. Geoinformatics

Gender: Male

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Contact: +91 7904499643

EDUCATIONAL   QUALIFICATIONS

B.E. Geoinformatics | College of Engineering Guindy, Anna University

2022-2025
Chennai

Diploma in Mechatronics | Kongu polytechnic College
2019-2021
Erode

INTERNSHIP   EXPERIENCE

National Centre for Sustainable Coastal Management, Chennai   July2023 – July 2023

Worked on project **"A Holistic Evaluation of Topographic Feature With DEM".** Conducted a comparative analysis of topographic features using four DEMs. Generated and analyzed hill shade, contour, and slope maps using ArcGIS. Identified ALOS DEM as the most accurate for terrain modeling in the Vikkiramangalam Hills.

WORK   EXPERIENCE

Junior Geospatial Engineer

Latrics India Private Limited, Hyderabad, India
June 2025 – July 2025

- Assisted in processing and analyzing spatial datasets using GIS tools like ArcGIS and QGIS.
- Supported map creation, geospatial modeling, and data visualization for various projects.
- Helped clean, organize, and integrate data from satellite imagery, GPS, and survey sources.
- Worked with senior engineers to meet project goals and ensure data accuracy.
- Contributed to technical reports and final map layouts used in client deliverables.

PROJECTS

Institute of Remote Sensing

January 2023 –March 2023

       Worked on a project titled **City Geoid Modelling for Greater Chennai Corporation.** Developed a local geoid model for Chennai using GNSS and orthometric data with Kriging in ArcGIS. Enhanced elevation accuracy for urban planning by comparing with global models like EGM96 & EGM2008

Institute of Remote Sensing

Aug 2024 – Nov 2024

       Worked on a project titled **"3D Aquifer Modelling Using Borehole"**. Designed a 3D aquifer model to visualize   groundwater levels using borehole data from Chennai. Applied IDW interpolation and ArcGIS for spatial analysis and mapping. Built a basic web interface to display predicted water levels for user input locations

Kongu polytechnic College

       Worked on a project titled**" Facial Expression Recognition Robot"** Developed a robot that detects facial expressions in real time using OpenCV and webcam input. Integrated Arduino for physical interaction, showcasing basic AI in human-robot communication

TECHNICAL   SKILLS

- **Programming Languages**   **:** HTML, CSS, JAVASCRIPT, R, C++, SQL
- **Engineering Software**   **:** ArcGIS & ArcGIS PRO, QGIS, MATLAB, pix4d, MicroStation, Quick Terrain modelling, gAIRHawk, Globler Mapper
- **Other Software**   **:** Microsoft Word, Excel, Power Point, Canva

POSITIONS OF RESPONSIBILITY

- **Director of Human Resource**, Rotaract club CEG   *Augest 2024 –June2025*
- **Head of Photography**, Society of Geoinformatics Engineers   *June 2024 – June 2025*
- **Humar Resource Organizer**, Students Association and Arts Society of CEG *Oct 2023 – May 2024*
- **Event Organizer,** CEG TECH FORUM   Sep 2023 -May 2023

SKILLS & ABILITIES

- Leadership quality
- Project management
- Adaptability
- Problem-solving