

GIRI SUBBU RATHINAM ARUN KUMAR

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EDUCATION

University of Illinois at Urbana-Champaign

Expected December 2022

Master of Science in Civil Engineering (Structural Engineering)

Current GPA: 2.33; Projected GPA: 3.0 by May 2022

Academic Courses

Structural Mechanics, Structural Dynamics, Structural Analysis, Steel Structures 1, Steel Structures 2, Finite Element Methods, Earthquake Engineering

Vellore Institute of Technology, Chennai

June 2021

Bachelor of Technology in Civil Engineering

GPA: 9.19/10

SKILLS

Software Experience: AutoCAD, STAAD-Pro, RISA, MS Office, Revit, Navisworks, MATLAB, Google Workspace, GiD

Spoken Languages: English, Tamil and Hindi

RELEVANT EXPERIENCE

FTC Solar, Structural Engineering Intern

April 2021 – May 2021

- Modelled, Analyzed and Designed FTC's solar tracker using RISA-3D 19.0 software and Microsoft Excel
- Presented daily reports on project status and submitted for review
- Collaborated with fellow intern on project progress, nuances, issues and results

Karthikeyan Associates, Civil Engineering Intern

May 2021 – June 2021

- Performed site-check for concrete slab design
- Explored several topics focused on justification for values and guidelines for IS 456:2000
- Reported findings and discussed interpretations

PROJECT HIGHLIGHTS

Hot Rolled Steel and Cold Formed Steel Sections Study for a Residential Building

December 2020 – April 2021

- Planned and modelled a G+1 residential building in AutoCAD and STAAD-Pro according to Indian standards
- Performed analysis of the CFS and HRS models for dead, live and earthquake loads
- Compared the findings of the analysis and the estimated cost of construction and material
- Concluded the results of the comparative analysis

EXTRACURRICULAR ACTIVITIES & LEADERSHIP

Structural Engineering Institute, ASCE, Student member

December 2021 – Present

- Actively participated in webinars and events organized by the institute

Indian Concrete Institute – Student Chapter, VIT Chennai, Social Media Head

October 2019 – October 2020

- Handled all social media accounts and communications for the student chapter
- Supervised junior members and delegated weekly assignments
- Coordinated with fellow board members regarding promotion of the ICI chapter in the campus

Team Saksham International, VIT Chennai, Team Manager

December 2017 – February 2021

- Managed all team related issues such as resolving disputes within the team and with other teams
- Organized official and unofficial team related events – Omnis Victoria, team bonding sessions etc.
- Handled travel itinerary and logistics for attending national and international competitions
- Oversaw training of new recruits with delegated weekly assignments
- Designed the presentation used for the Business Event in national and international competitions
- Supervised all photography and videography related work for the team