

Menaka

Structural Design Engineer

Tamil Nadu, India
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Motivated and passionate Civil Engineer with experience in multifaceted background committed to providing top-notch services for clients utilizing my skills in design and engineering of buildings.

LANGUAGES: English, Tamil

SKILLS

Mitek Sapphire	★★★★★
Mitek Engineering 2020	★★★★★
STAAD.PRO	★★★★☆
AutoCAD	★★★★☆
Plaxis 2D	★★★☆☆
Autodesk Revit	★★★★☆
RAM Elements	★★★☆☆

WORK EXPERIENCE

- *Structural Design Engineer* at R&K Building supplies, USA (via) QAE Consulting Private Ltd
April 2020 – Present, Remote
 - Designing roof and floor trusses by creating a detailed truss layout in MiTek Sapphire.
 - Review and analyze architectural specifications and structural drawings.
 - Engineering components by ensuring that the work complies with customer instructions and by maintaining streamlined communication with seniors in case of discrepancies in plan.
 - Mastered in bidding 450+ quotes which includes residential custom homes, tract homes and commercial buildings as per IRC, IBC & ANSI TPI standards
 - Promoted as a team lead and hosted extensive training sessions for five new truss designers.
- *Structural Design Engineer* at K-I Lumber and building Materials, USA (via) QAE Consulting Pvt Ltd
March 2019 – March 2020, Remote
 - Evaluated existing architectural and structural design plans to design roof trusses to fit the needs of the client and project.
 - Learned methodologies of lumber design, framed truss layout drawings and developed 3-D models using Mitek Sapphire and engineered trusses in integrated design software.
- *Site Engineer* at Kannan Construction Works
June 2018 – January 2019, Pudukkottai, TN
 - Prepared structural & layout drawings using Auto CAD for residential buildings as per client requirements and practical considerations.
 - Supervised and executed construction practices at site.
- *Assistant Professor* at Mount Zion College of Engineering and Technology
June 2016 – March 2018, Pudukkottai, TN
 - Delivered course lecture, assisting and guiding academic projects, Student welfare counseling.
- *Freelancer* Experience in design of steel canopy as per ASCE-7 load standards.

EDUCATION

M.TECH -Structural Engineering 2014-2016

SASTRA University, Thanjavur
Scored 8.6 CGPA with Distinction

B.E- Civil Engineering 2010-2014

CARE School of Engineering, Trichy
8.44 CGPA, Anna university Rank holder