

N. BASKER

Structural Design Engineer – Steel Connections

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PROFESSIONAL SUMMARY

Structural Design Engineer with 2 years of experience in steel connection design, with a Proven track record of delivering technically complex, high-profile structures, including the **NEOM TROJENA SKI Village (Saudi Arabia)**. Skilled in advanced structural analysis tools (**IDEA Statica, ETABS, STAAD.Pro**) and global design standards. Recognized for accuracy, fast learning, and ability to collaborate effectively across multidisciplinary engineering teams. Committed to producing safe, efficient, and optimized structural solutions.

EDUCATION

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| o M.E Structural Engineering (2021-2023)
Easwari Engineering College,
Chennai-600089 | CGPA: 8.56/10 |
| o B.E Civil Engineering (2017-2021)
Sairam Engineering College,
Chennai-600044 | CGPA: 7.68/10 |

PROFESSIONAL EXPERIENCE

Design Engineer

Eversendai Construction Pvt Ltd - Chennai, India

(Jan 2024 – Present)

- o Contributed to the Structural Connection Design of the **SKI Village**, a Major Part of the **TROJENA** Regional Plan developed by **NEOM**, Kingdom of **Saudi Arabia**.
- o The Village is located 2500m above Sea level and includes a wide range of Facilities: Ski Slopes, alpine Coasters, mountain biking, zip lining and many more activities.
- o Designed and verified steel connections including (Shear connections - Fin plate, Cover plate & Flush end plate) and (Moments Connections- Extended end plate Connections, welded Connections, Flange weld web Bolted Connections.) Splice Connections - Cover Plate Splice and End Plate Splice Connections and Base plate Connections using **IDEA Statica (AISC)**.
- o Designed Embed plate Connections steel to concrete wall using Excel.

Structural Design Trainee

Audiseshaiah & Sons - Chennai, India

(Aug 2021-Feb 2022 - 6 Months)

- o Trained in ETABS for Analysis and Design of Reinforced Concrete Structures.
- o Developed Structural Models for Residential and Commercial Projects.
- o Prepared Structural Drawings using AUTOCAD.
- o Performed Manual Calculations for Beams, Slab, Columns Using IS Codes (IS 456& IS 875).

SKILLS

CORE TECHNICAL SKILLS

- o Structural Analysis & Design: **IDEA Statica, ETABS, STAAD.Pro**
- o Drafting & Detailing: **AutoCAD**
- o Design Codes: **IS, BS, AISC, Eurocode**
- o MS Excel, MS Word, MS PowerPoint
- o Load Extraction, Design Report, Shop Drawing Review

SOFT SKILLS:

- o Team Collaboration & Coordination
- o Time Management
- o Leadership
- o Quick Learner

AREA OF INTEREST:

- o Structural Design of Steel and RCC Buildings
- o Steel Connection Design

ADDITIONAL INFORMATION

- o **Hobbies & Interests:**
Cricket, Chess, Volleyball.
- o **Certificates & Achievements:**
Participated in **22nd INSDAG National Civil Competition** for Best innovative structural steel design for PG Structural and I was selected as Finalist.
Project Theme: Steel Intensive Archery Academy with Hostel.
Design and analysis of steel building as per IS codes using a software STAAD.PRO, detailed Structural drawings in AutoCAD and design manual calculations.
- o **English Type Writing:**
Junior Grade 2nd Class Certified by Government Technical Examinations – Aug 2015.