

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

## PROFESSIONAL EXPERIENCE

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### 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

Audiseshiaah & 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

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### 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

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- o **Hobbies & Interests:**  
Cricket, Chess, Volleyball.
- o **Certificates & Achievements:**  
Participated in **22<sup>nd</sup> 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 2<sup>nd</sup> Class Certified by Government Technical Examinations – Aug 2015.