**HIJAS**

[**HIJAS.364282@2freemail.com**](mailto:HIJAS.364282@2freemail.com)



**Objective**

Diligent structural engineer with 2 years of experience in designing of steel and concrete structures at a reputed design and engineering consultancy. Aiming to use my proven technical, managerial, and interpersonal expertise to effectively fill the position of structural engineer at ARCADIS.

**Personal Summary**

I am a passionate structural engineer, with a recognised membership in ‘The Institution of Structural Engineers’, having experience in design and detailing of steel and concrete structures, multidisciplinary coordination, leadership and communication skills. Have worked on multiple large scale projects including Doha metro (Qatar) and Cross rail (UK). I am a post graduate degree holder in structural engineering from Indian Institute of Technology, and having a first-class Bachelor’s degree in Civil Engineering. I am currently working in an MNC providing offshore design support to various offices across UK, US, Middle East and South Asia.

**Work Experience**



**WS Atkins (India) Pvt. Ltd.**

Designation: Graduate Structural Engineer July 2015 – Present

**Responsibilities:**

* Developing conceptual design and load transfer schemes for structural systems
* Performing detail structural analysis using structural software
* Developing detailed hand calculations for Section capacity, Buoyancy and Global stability
* Assessment of existing structures including bridges and pedestal walkways
* Generating complete drawings including General arrangements, Details and Sections
* Preparing comprehensive technical reports to submit to the client
* Multi-disciplinary Coordination with Architects, MEP, Survey team and BIM technicians
* Detailed designing of structural elements to British and European codes of practice
* Co-ordinating technical presentations for continues professional development (CPD)
* Interfacing with Scandinavian offices to ensure proper work flow
* Coordinating Graduate forum for improving technical and interpersonal skills of graduate engineers

**Major Projects Handled:**

1. ***Doha Gold Line- Underground Metro Station:*** The scope included Structural scheming, analysis,design and detailing, architectural planning for 13 underground metro stations (Reinforced concrete).
2. ***Hung Hom Station, Structural Rehabilitation and Expansion:*** Atkins was the lead consultant forthe detailed assessment, design and strengthening of station and associated structures.
3. ***Cross Rail Anglia:*** The scope included multidisciplinary coordination, detailed design, generation ofcomplete drawings and supporting documents for complete platform structures.
4. ***West Anglia Main Line- Platform Infrastructure Development:*** The scope included assessment ofexisting structures, detailed design of steel foot over bridge and associated ramps and pile design for proposed platform structures.

|  |  |
| --- | --- |
| **Academic Projects** |  |
| ***1. Seismic Fragility Analysis of Reinforced Concrete Frames.*** | (2014 to 2015) |

The key objective was to capture the stochastic behaviour of reinforced concrete frames, under seismic load, using fragility curves.

|  |  |
| --- | --- |
| ***2. Geotechnical Practices in Different Civil Engineering Projects.*** | (2011 to 2012) |

The main objective was to get familiarized with different geotechnical practices and ground improvement techniques.

|  |  |  |  |
| --- | --- | --- | --- |
| **Educational Qualifications** |  |  |  |
| **Degree** | **Institute** | **Grade** | **Year** |
| M.Tech | Indian Institute of Technology Guwahati | 9.11 (CGPA) | 2015 |
| B. Tech | MES College of Engineering | First Class | 2012 |

**Software Skills**

Analysis software: STAAD, SAP-2000, SAM, Tedds, Robot, Lusas, ABAQUS and Open-Sees. Drafting software: AutoCAD, Revit-Structures, Micro-Station and Sketch-up.

**Achievements**

Secured 99.41 Percentile in GATE 2013 (Graduate Aptitude Test for Engineers) Secured Top score in B. Tech batch during the year (2008-2009)

Winners of GET project-2016 in WS Atkins

Runners up in football match during Atkins sports carnival (2016)

Won various prizes in deferent stage performances including Elocution, Drama and story writing

**Software Skills**

Graduate Member: The Institution of Structural Engineers (ID: **078397656**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Positions of Responsibilities** | | |  |  |
|  |  | ***Students’ Union Chairman*** | | 2011-2012 | |
|  |  | A challenging responsibility by representing a community of 3000 students in MES College of | | | |
|  |  | engineering. Successfully organized seven non-technical events by handling and delegating the | | | |
|  |  | responsibilities. |  |  |  |
|  |  | ***Student representative for placement, IIT*** | | 2014-2015 | |
|  |  | Was selected as the student representative, for co-ordinating the placement process in IIT. | |  |  |
|  |  | ***Business representative for IGF, Atkins*** | | 2015-2016 | |
|  |  | An initiative within Atkins for improving technical competency and interpersonal skills of engineers. | | | |
|  |  | |  |  |  |
|  | **Personal Profile** | |  |  |  |
|  |  | Date of Birth & Age | : 29th March 1990 & 27 |  |  |
|  |  | Nationality | : Indian |  |  |
|  |  | Marital Status | : Married |  |  |



I hereby declare that the information furnished above is true and complete to the best of my knowledge.