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| **Mohamed****Mohamed.192446@2freemail.com**   |
| **OBJECTIVE**Seeking position of a Structural Design Engineer that will benefit from my design experiences, in a challenging career with strong interest in R&D, interested to work with globally acclaimed names of the Civil Engineering, which would help me grow beyond my potential and make best use of the skills I possess.**EXPERIENCE****Design Engineer-Leading Company** August 2012 – PresentChennai, TN, India.Design engineer for the leading consulting company in Hot rolled steel structures and RC structures, Leading Company-India and Sharjah. I generally deal with design and detailing of buildings in and around the Gulf which includes both industrial buildings (heavy sheds for workshops with cranes and mezzanines) and commercial buildings, using STAAD Pro, SAFE and PROKON software according to AISC-AMD,UBC,IBC and BS specifications.* Rigorous training under the supervision of Pioneers in the field of Hot rolled steel structures.
* Have taken up design of complex structures with different levels of mezzanines in buildings.
* Designed connections, bracing systems, truss girders, crane girders, subjected to impact and moving loads in longitudinal and lateral directions.

**PROJECTS DONE:****60TPD Caustic Soda Plant:**As the team member am Design Cell house, Utility Area(steel shed), Reactor and filter press area, Cooling tower and Pipe rack of 60TPD Caustic soda plant by using UBC 2007.* Analysis and design of RC Structures by using STAAD Pro and spreadsheets.
* Analysis and design of hot rolled steel structures by using STAAD Pro.
* Connections are design by PROKON

**Industrial buiding:**Industrial building like sheds by using BS 8110.* Analysis and design of Industrial sheds by using STAAD Pro.
* Design of Sub structures and connections by using PROKON.

**Sharjah Indian School Building:**Structural design of Sharjah Indian school building by using BS 8110.* Analysis and design of RC Structures (Flat slabs,Beams) by using SAFE.
* Design of Sub structures by using PROKON.

**Villa:**Structural design of villa by using BS 8110.* Analysis and design of RC Structures (Flat slabs,Beams) by using SAFE.
* Design of Sub structures by using PROKON.

**Technical Ability*** I possess in-depth knowledge of BS codes under current practice for construction of RCC and Steel Structures, detailing of structures and standard design loads as per IBC and UBC.
* I have been referring AISC, BS,UBC and IBC codes of practices for Construction of Steel buildings.
* I possess excellent knowledge of software used in the market and I can adapt to the newer software and versions of the same.

**Skills**Possess excellent communication skills, mathematical skills and relationship management skills. Strong interest in R&D with a predisposition for innovation. Very effective presenter, creative, multi-cultural, team player, self-starter, quick learner, honest, humble and hard-working.**EDUCATION****ACADEMIC QUALIFICATIONS:****M.E- Structural Engineering : 8.1 (CGPA) First Class With Distinction** (June – 2012) Anna University, India **B.E - Civil Engineering : 75% First Class**  (April – 2010) Anna University, India**PROJECT DETAILS:****P.G. PROJECT:** Done a project on **“EXPERIMENTAL ANALYSIS OF CHLORIDE DIFFUSION IN REINFORCED CONCRETE STRUCTURES UNDER DIFFERENT ENVIRONMENTAL CONDITIONS”** at **CENTRAL ELECTROCHEMICAL AND RESEARCH INSTITUTE,** Karaikudi.**PROJECT DESCRIPTION:**To predict the service life of structure from time to initiation of corrosion.* Corrosion studies using the NDT technique.
* To arrive a reliable non-destructive method to estimate at the site.
* The effect of the size of the specimen (cubical & cylindrical) , direction of flow of chloride (1D & 2D) , presence of aggregate and applied potential (12V & 30V) on Deff will be studied systematically.
* The ASTM and AAHSTO standards will be used.

**U.G. PROJECT:****MINI PROJECT:**Done a project on **“DESIGN OF SINGLE SPAN BRIDGE”** using RC structure in the village Thiruverumbur.**PROJECT DESCRIPTION:*** Design of retaining wall.
* Design of concrete deck slab

**MAIN PROJECT:**Done a project on **“DESIGN OF SHOPPING COMPLEX USING STAADPRO”** to reduce the time taken for the design than doing it manually and also to suit the earthquake resistant structure of the buildings.**PROJECT DESCRIPTION:*** To provide single level car parking facilities.
* Follow the CMDA & Corporation rules.
* The structural load to be transferred at the deep level. (Deep foundation – Pile).
* The structure to be analyzed for seismic condition (Zone-III) as per IS 1893-2002.

**PAPER PRESENTATION:**Presented the technical paper of “**EXPERIMENTAL ANALYSIS OF CHLORIDE DIFFUSION IN REINFORCED CONCRETE STRUCTURES UNDER DIFFERENT ENVIRONMENTAL CONDITIONS**” in “Sustainable and Emerging Technologies in Civil Engineering”(SETCE’12) at University, Chennai.**Activities**Reading Current affairs, SpiritualSports Cricket, Football.Traveling India, Singapore.**Personal Vitae**Date of Birth : December 18th, 1988Religion : IslamNationality : IndianMarital Status : UnmarriedLanguages known Tamil : Native English : Full proficiency | **KEY SKILLS**Design of RCC structuresDesign of Steel StructuresStructural Steelhot rolled structuresWell equipped with new software and Computer technology.Seismic and Wind Analysis according to latest codes**COMPUTER**STAAD Pro.SAFEETABS BasicPROKONAutoCADWindows 7MS Office 2010WordExcelPowerpoint**SOFT SKILLS**Effective CommunicationExcellent presentationBusiness acumenEffective relationship managementTeam facilitatorSelf-propelledInnovativeAstute decision makingProblem solvingHard-working |