

Summary

A civil engineering graduate who has shown good performance in all relevant fields and a passionate person imbued with a deep sense of responsibilities with the willingness of undertaking any challenges in life.

Summary of Skills

- High level proficiency in computer based modeling and analysis, design of steel structures, concrete and steel foundations, seismic, finite element analysis and dynamic analysis of structures using proper software management practice.
- Good knowledge Geo technical and Foundation Engineering.
- Good experience in connection design.
- Enthusiastic and self motivated.
- Takes initiative to work on new challenging projects.
- Strong analytical, interpersonal and organizational skills.
- Capable of working under stressful condition.

Technical software knowledge: S-Frame, S-Steel, S-Concrete, Dyna, Lusas, Staad pro, Sap 2000, Math Cad and MS office.

Experience

Intermediate Structural Engineer

01/2015 to Present

WSP – Calgary, AB

- Performed dynamic analysis for reciprocating, Centrifugal, screw compressor, vertical, horizontal pump and Turbine using dyna 6.
- Carry out dynamic analysis for flexible skids using S-frame and dyna6.
- Assessed existing machine foundation designs.
- Performed monorail design and connection design.
- Review materials, safe work procedures and risk assessment.
- Performed steel, concrete and screw pile design.
- carry out structural analysis for pipe rack, building skid, tower skids, tank support and vessel supports.
- Performed finite, seismic analysis where required.

Junior Structural Engineer

01/2013 to 01/2015

DPH Focus – Calgary, AB

Worked with multiple projects: Assisted with conducting engineering analysis and design of steel structures, concrete foundations and review shop drawings.

Engineer in Training

03/2011 to 12/2012

SNC Lavalin – Vaughan, ON

Responsible for performing laboratory test on road construction materials, hot asphalt mix design and selection of optimal fine-aggregates, prepared test results and demonstrated experiments of material laboratories for co-op students, Conducted tests for bulk relative density and maximum relative density of asphalt mix, Prepared blending cards for Marshall and super-pave tests, Performed sample preparation, moisture content and proctor density tests.

Education

Professional Certificate -

Received certification in S-Frame Finite Element, Seismic analysis, Vibration analysis, Advanced S-Steel design and Dyna6.

Master of Science: Structural Engineering

Jan 2010

University of Surrey - Surrey, UK

Courses: Reinforced Concrete Design, Steel Structures and Finite Element Method, Structural safety and reliability, Space Structures, Earthquake Engineering ,Steel and Composite Bridge Design, Bridge Deck loading and Analysis.

Bachelor of Science: Civil Engineering

(accredited by the Joint Board of Moderators of ICE, I Struct, IHT, IHIE)

Jan 2007

University of Peradeniya - Srilanka**Affiliations**

Member, Professional Engineers Ontario, 2011-Present