



SAI SAMANTH. A

Civil / Structural Engineer (EIT)

Contact

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 : 5308 Arctic Blvd, Unit 13,
Anchorage, Alaska.

Education

Master of Science in
Structural Engineering, (2019)

**UNIVERSITY OF WISCONSIN-
MADISON**

GPA: 3.25

Bachelor of Technology in
Civil & Environmental Engineering,
(2017)

MANIPAL UNIVERSITY, India.

GPA: 3.2



Highlights

- Work Experience: 3 years
- Engineer-In-Training license
- Master's degree in structural engineering
- Published four research papers and a thesis in concrete engineering.
- Familiarity with ASCE, IBC, ACI, AISC, and API
- Oil and gas facilities (Alaska)
- Offshore projects and Coastal structures (Africa & India)



Technical Skills

- ANALYSIS/DESIGN
 - RISA 3D
 - SAP 2000
 - STAAD.PRO
 - ENERCALC
 - AME tanks
 - LPILE
- OTHER
 - AUTOCAD
 - MATHCAD
 - MS Office

Anticipating PE license - OCT 2022

Professional Summary

Structural engineer with experience in multiple industries, like oil & gas, offshore and commercial. Demonstrate a comprehensive knowledge of structural analysis and design principles and familiar with relevant codes and software. Seeking a position in which engineering expertise can be put to good use.

Work Experience

Civil/Structural Engineer, February 2020 to Present

EEIS Consulting Engineers Inc, Anchorage, U.S.A

- Develop and execute projects of oil and gas plants.
- Analyzing structures subjected to wind, earthquake, fluid, and snow load
- Design of structures for grind and inject facilities like pipe racks, vertical and horizontal tanks, dump pit, stair towers and pile foundations.
- Design involves arctic engineering and consideration of ease of fabrication and shipping to North Slope, AK

Associate Engineer, October 2019 to February 2020

Steele Solutions Inc, Milwaukee, U.S.A

- Independently complete complex production designs through the utilization of design standards and the ability to communicate with all Drafting and Sales/Marketing personnel.
- Understanding product and process as well as knowledge in structural and mechanical design principles.
- Responsible for analysis of structure(RISA/Excel), creating a concept design(AutoCAD) and produce calculation and drawing packages for PE stamping

Structural Engineer, January 2019 to August 2019

W.F. Baird & Associates, Madison, U.S.A

- Working under the direct supervision of licensed structural engineers
- Assisting in structural design calculation for marine structures.
- Developing models in SAP 2000, performing calculation checks in MATLAB and create drawings in AutoCAD.
- Carry out non-linear analysis, assigning soil spring from LPILE and assessing for wind, wave, and seismic loads for offshore structures.
- Complete detailed structure safety assurance using API.

Student Lab Assistant, September 2017 – June 2018

UW Structures and Material testing laboratory, Madison, U.S.A

- Hands-on experience of building and testing of large-scale structural components and setting up experimental testing techniques
- Analysis of beams(pre-stressed) with Fiber reinforced concrete for seismic behavior.

Civil Engineer (Intern), May 2016 – June 2016

Larsen & Toubro, Hyderabad, India.

- Trained in the construction of metro rail structures and post-tensioned works at Hyderabad Metro Rail Project.
- Worked at the pre-casting yard for the design of metro rail elements like precast girders and viaducts.

In-plant training, June 2015 – July 2015

Navayuga Constructions, Hyderabad, India.

- Acquired knowledge of the port structures, seawater intake and outfall systems and dredging work.
- Trained in the construction of guide walls and piling work at Krishnapatanam Port Company.

Legally authorized to work in the USA for any employer.