**Moosaab Muneer Ahmed**

Structural Engineer • F-1

715 W Mitchell Cir, Arlington 76013 · 682-407-6886 moosaabmuneer@yahoo.com · www.linkedin.com/in/moosaabmuneer

**EDUCATION**

University of Texas Arlington (Arlington, Texas)

**Master of Science (Thesis) in Civil Engineering- Structures and Applied Mechanics**, (Dec 2023)

Osmania University (Hyderabad, India)

**Bachelor of Engineering Civil Engineering**, (July 2021)

**PROFESSIONAL EXPERIENCE**

University of Texas Arlington (Arlington, Texas)

**Graduate Research Assistant** (June 2022 – Present)

* Research on diagnostic load testing and load rating of the IH45 bus LP bridge to evaluate the capacity of the bridge
* Conducted load test on the west span of IH45
* Performed load rating for testing of IH45 considering HS20 truck, EVS, and SHVS using AASHTO standards and MBE

**Graduate Teaching Assistant** (Aug 2022 – Present)

* GTA for the Course CE5307-Structural Timber Design
* Conduct help sessions for students, grade assignments, term projects, and arrange training sessions on the software

SM Construction (Hyderabad, India)

**Site Engineer** (Jan 2021 – Dec 2021)

* Designed shop drawings, engineering plans, and various orders
* Provided technical advice and suggestions for improvement
* Diagnosed and troubleshoot technical problems on-site as required
* Drew up a work schedule and communicated any adjustments to crew members
* Completed quality assurance and provided feedback to the team

Imarat Consulting Services (Hyderabad, India)

**Engineering Intern** (Jul 2019 – Oct 2019)

* Worked On Etabs and Stadd Pro
* Visited sites to check on Masonry and Shuttering works

**SKILLS**

* STRUCTURAL ANALYSIS: ETABS, RISA 3D, STADD PRO, SAP 2000
* DESIGN: PGSUPER, REVIT, AUTOCAD, CIVIL 3D, CAP18
* TOOLS: MICROSOFT OFFICE, TEAMS, ZOOM
* OTHER: BRIDGE INSPECTION, NDE, MATHCAD

**ORGANIZATIONS**

* **Structural Engineering Institute** (Student Member)
* **American Society of Civil Engineers** (Student Member)
* **American Concrete Institute** (Associate Committee Member 342 - Evaluation of Concrete Bridges and Bridge Elements)
* **Precast/Prestress Concrete Institute** (Student Member)

***Note: Eligible/Legally authorized to work in the United States of America for 36 months under OPT program. In preparation and ability to pass the FE Exam by Summer 2023***

**RELEVANT COURSES UNDERTAKEN FOR STRUCTURES**

* Structural Analysis
* Reinforced Concrete Design
* Theory of Structures
* Structural Design and Detailing
* Intro to Finite Elements
* Pre-Stressed Concrete
* Concrete Bridge Design and Evaluation
* Advanced Mechanics of Materials
* Structural Timber Design
* Advanced Concrete Design (Enrolled for Spring 2023)
* Advanced Steel Design (Enrolled for Spring 2023)
* Post Tensioned Concrete Design (Enrolled for Spring 2023)
* Statics
* Dynamics
* Engineering Materials and Construction
* Transportation Engineering
* Soil Mechanics
* Foundation Engineering
* Steel Structures
* Concrete Technology
* Building Information & Modelling