

SALMAN MAHMOOD

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INTRODUCTION:

Results-driven civil engineer with a proven ability to design, develop, and implement innovative solutions in construction and environmental systems. Skilled at balancing technical excellence with sustainability, delivering efficient results that align with modern engineering challenges. Adept at fostering collaboration, driving efficiency, and ensuring compliance with industry standards. Strong problem-solving, time management, and adaptability skills enable me to thrive in fast-paced and evolving environments.

EDUCATION:

- **Master of Applied Science in Environmental Systems Engineering & Management**
Memorial University, St. John's, NL – 2023-2024 | GPA: 3.9
- **Bachelor of Engineering in Civil Engineering**
Osmania University, Hyderabad, India – 2018-2022

CERTIFICATIONS:

- **AutoCAD:** 5+ years of experience in 2D and 3D drafting.
- **Revit (BIM):** Trained in Building Information Modeling with ONEISTOX.
- **ETABS, HVAC Design, and 3DS MAX & VRAY**
- **Eligible to apply for Engineer-in-Training (EIT) designation.**

WORK EXPERIENCE:

Junior Site Engineer

Aflah Constructions | Sept 2021- July 2023.

- **Designed** and **developed** civil engineering designs and drawings in AutoCAD, ensuring regulatory compliance.
- **Conducted** structural analysis to evaluate load-bearing capacities and material suitability for projects.
- **Utilized** MS Office for project documentation, reporting, and presentations.
- **Managed** project schedules, resource allocation, and tracking project timelines using MS Project.
- **Prepared** specifications, cost estimates, and construction reports.
- **Implemented** corrective actions under supervision to ensure project progress.
- **Contributed** to safety and environmental protocols to ensure a safe and compliant worksite.

Retail Store Associate (Part-Time)

Winners, TJX Canada | Sept 2023 – Present

- **Enhanced** customer satisfaction through efficient service and transaction handling.
- **Organized** merchandise displays, restocking, and contributed to loss prevention efforts.

PROJECTS:

- **Wastewater Treatment and Disposal:** Conducted statistical analysis and assisted in Environmental Impact Assessment for wastewater management solutions.
- **Multi-Storied Residential Building Design:** Designed structural elements using E-TABS, focusing on code compliance and stability.
- **Post-Combustion Carbon Capture:** Analyzed CO2 capture techniques, proposing strategies to improve energy efficiency and reduce impact.