

Meenakshi Ajayakumar Sujitha

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OBJECTIVE

Highly motivated and detail -oriented recent graduate in petroleum engineering, eager to apply academic knowledge and gain practical real- world experience through an engineering opportunity. Committed to contributing effectively to team projects, enhancing technical skills, and supporting innovative solutions within the industry.

EDUCATION

Cape Breton University – Sydney, NS

Jan 2021 — May 2024

Bachelor of Engineering Technology – Petroleum

- Hydraulics, Risk management, Engineering drawings, Operations management, Machine learning, Quality control, Quality assurance, Project scheduling, Procurement.

Project: Topology Optimization of Oil Rig Tower

Artificial intelligence-based design optimization methods, advantage of a topologically optimized design over a traditional one.

Formulated the optimization problem with the objective of minimizing material volume or weight, including stress constraints to ensure that maximum stress in the structure does not exceed allowable limits.

- Project management and leadership experience.
- Applied technical and analytical skills to make an innovation in industry.
- Demonstrated ability to quickly learn and apply new technologies and methodologies.
- Knowledgeable in six- sigma and lean principles.
- Adaptability, Problem-solving aptitude, Active Listening, Project Coordination, Outstanding math skills.

VOLUNTEER

SPE – CBU Student Chapter

Executive Member

Sep 2022 – Apr 2023

- Organized and executed events enhancing project management and logistical coordination skills.
- Engaged with other members thereby developing interpersonal and community-building skills.
- Worked with faculty and university departments which enhanced teamwork and collaboration.
- Kept records and prepared reports that enhanced attention to detail and documentation skills.
- Encouraged career growth, fostered mentoring and leadership capabilities.
- Created awareness campaigns that helped improve communication and marketing abilities.

ADDITIONAL

Technical Skills: Auto CAD, SolidWorks, MS Office, C++, SQL, 3D Printing and laser cutting.

Reference: Blair MacInnis, P. Eng

Instructor, Cape Breton University

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