



Rahneesh Mukkil

Environmental Sustainability Engineer

CONTACT ME

☎ +966 50 526 1129

✉ rahneesh.m@gmail.com

💻 rahneesh.github.io/myself

📍 Jeddah, KSA (On transefferrable iqama)

EDUCATION

M Tech (Thermal Power Engg.)

National Institute of Technology, Trichy, India

2019-2021 GPA: 8.77

B Tech (Mechanical Engg.)

University of Kerala, India

2014-2018 GPA: 8.61

12th

Kerala State Board 94.83%

10th

Kerala State Board 98.75%

SKILLS

- Data analysis using Excel and PowerBi
- Basics of Tableau
- Experienced in report writing and presentations.
- Solar system design (PVSyst)
- Heat and mass balance of power plant

Software skills

- AutoCAD, Pro-E and SolidWorks
- Basic programming skills

WORK EXPERIENCE

Project Analyst

2022-2023

DESL (Subsidiary of Veolia | Delhi, India)

- Lead the technical team for the implementation of islandwide solid waste management initiatives in Jamaica, actively contributing to the formulation of the business model. This inclusive model involved conducting technical, social, financial, economic, and environmental assessments of waste-to-energy facilities throughout Jamaica.
- Validated the feasibility study for a Waste-to-Energy (WtE) project in Uganda, as conducted by IFC. Played a key role in developing the project configuration and contributed to the financial analysis.
- Advocated for anaerobic digestion as a sustainable solution for handling significant waste streams in Belize, specifically addressing challenges posed by Sargassum and wood sources.
- Led the design of a rooftop solar plant for a textile facility in Karachi, Pakistan. Gained exposure to various tools, including PVSyst and Sketchup, in the process.

Assistant Project Analyst

2021-2022

DESL (Subsidiary of Veolia | Delhi, India)

- Assessment of construction and demolition waste generated in PCMC, Pune. The study includes a forecast of C&D waste for 5 years.
- Assessment of feedstock for BioCNG plants in various parts of Haryana, Punjab, Uttar Pradesh and Madhya Pradesh. This project focuses on the development of renewable energy sources in India.

ACHIEVEMENTS / PROJECTS

- Acknowledged as DESL's Best Employee FY 2021-22.
- Attained a score of 735 out of 1000 in the Graduate Aptitude Test in Engineering (GATE) 2019, a competitive examination in India for pursuing master's studies.
- PG project: Studied the rewetting phenomenon in the DC casting of aluminum utilizing Finite Element Method (FEM), despite limited facilities during covid period.
- UG project: Created a stability enhancement mechanism for a 5-meter laser-cut fabricated boat, aiming to mitigate frequent boat accidents in Kerala, India. The initiative is anticipated to contribute to the improvement of the state's tourism sector.

CERTIFICATIONS

- Microsoft Power BI Data Analyst Programm

LANGUAGE PROFICIENCY

- English and Hindi - Professional proficiency.