JAY TILAK PENTAPATI

Engineering Graduate

15-7A, Corporate Heights

Kakinada, AP - 533001, India.

Ph. No: +918096284014

tilak.pentapati@gmail.com

Professional Summary

As a petroleum engineering graduate from the Indian Institute of Petroleum and Energy, I have developed a strong foundation in technical skills and project management. I developed a passion for sustainability, which was further strengthened by my self-initiated research into the future energy options during my first year. I am now interested in exploring the intersection of sustainability and Machine Learning, with an Altruistic aim of applying Machine Learning to address sustainability challenges. From skills acquired, I am eager to contribute and also committed to continuous learning in the development of innovative solutions for a sustainable future.

Internships

Intern, Institute of Drilling Technology, ONGC

JULY 2021 - AUGUST 2021

- Served as a dedicated and supportive Intern in a fast-paced environment.
- Learned about industrial aspects of drilling technology and completed the project on design of well-control equipment.

Education

Bachelors in petroleum engineering, Indian Institute of Petroleum and Energy, Visakhapatnam

AUGUST 2018 - MAY 2022

- **CGPA: 7.51/10**
- Completed the project on increasing solar panel efficiency, using servomotors and photo-sensitive sensors.
- Completed the project on designing automated drill systems in Solid works, demonstrating proficiency in CAD.

One-year Extended Program For JEE, FIITJEE, Visakhapatnam

JULY 2017 - MAY 2018

- Secured **AIR 12729** in JEE-ADVANCED Examination.

Social Links

LinkedIn

Skills

Skill	Level
Machine Learning	Moderate
SQL	Beginner
Python	Moderate
SolidWorks	Proficient
Deep Learning	Beginner
Microsoft PowerPoint	Moderate
Microsoft Excel	Moderate
Data-Cleanups	Proficient
Data Analysis	Moderate
Ability to work in a team	Expert
Linux	Novice

Intermediate Education, Sri Chaitanya Junior College, Visakhapatnam

JUNE 2015 - MAY 2017

- **Percentage: 90.8%**
- Gained proficiency in Mathematics, Physics and Chemistry.

Secondary Education, DAV Public School, Visakhapatnam

JUNE 2009 - MAY 2015

- Completed 10th grade with **CGPA: 9.3/10**.
- Secured 37th rank at district-level Math Olympiad.
- Achieved Best-Designer award at an Farewell Event.

Conferences & Webinars

ReOPEN, Indian Institute of Petroleum and Energy, Visakhapatnam

FEBRUARY 2020

Participated as a student member in the conference.

Introduction to Deep Learning and Applications in Image Processing, MathWorks

NOVEMBER 2020

Gained industrial experience of Deep Learning and image processing AI models.

Certifications

Google Data Analytics, Google

DECEMBER 2022 - MARCH 2023

Deep Learning with MATLAB, MathWorks

AUGUST 2022 - DECEMBER 2022

Machine Learning, Stanford University

MAY 2022 - DECEMBER 2022

Quantum Computing, The Coding School, IBM

MARCH 2020 - FEBRUARY 2021

Fundamentals of Global Energy Business, University of Colorado

JANUARY 2020 - APRIL 2020

Hobbies

Cricket, Reading Yoga Literature, Learning Linux, Reading non-fiction books.

Languages

Language	Level
English	Proficient
Telugu	Native
Hindi	Moderate

References

Deepak Amban Mishra, Indian Institute of Petroleum and Energy.

dam.geo@iipe.ac.in

Himangshu Kakati, Indian Institute of Petroleum and Energy.

himangshu.petro@iipe.ac.in