

## **PROFILE**

As an aspiring Data Scientist from the University of Liverpool, developed a strong foundation in Data Science and Project management. Inspired by the principles of sustainability, and further strengthened by self-initiated research into energy sector during freshman year. Passionate about exploring intersection of Geographic Information Systems (GIS) and Machine Learning to address sustainability challenges.

## **EDUCATION**

**University of Liverpool** | Liverpool, UK

**September 2023 - Present**

*MSc in Geographic Data Science (Distinction, Expected Sep 2024)*

- Key Modules: Geographic Data Science, Applied Geographic Information Systems, Social Survey Analysis, Qualitative Research Methods, Spatial Modelling for Data Scientists, Web Mapping and Geo visualization.
- Dissertation: Explaining Spatio-Temporal Variations in Electricity Consumption across England from 2010 to 2022.

**Indian Institute of Petroleum and Energy** | Vishakhapatnam, India

**August 2018 – May 2022**

*Bachelor of Technology in Petroleum and Energy (2:1)*

- Key Modules: Advanced Drilling Engineering, Reservoir Engineering, Hydrocarbon Production Engineering, Engineering Mathematics, Engineering Mechanics, Solar Energy Systems, Computer Graphics, Numerical Methods, Geomechanics, Economics, Data Analytics and AI for Process Industry, Advanced Statistical Techniques.
- Projects: Designing Automated Drilling Systems Using SolidWorks and Computer-Aided Design Techniques, Enhancing Solar Panel Efficiency using Servomotors and Photo-Sensitive Sensors.

**FIITJEE** | Visakhapatnam, India

**July 2017 - May 2018**

*One-year Extended Program for JEE*

- Relevant Modules: Mathematical Modelling, Physics and Chemistry
- Achievements: Secured All India Rank 12729 in JEE-ADVANCED Examination.

**Sri Chaitanya Junior College** (equivalent to Sixth Form College) | Visakhapatnam, India

**July 2015 - May 2017**

*Intermediate Education (Equivalent to A-Level)*

- Relevant Modules: Mathematics, Physics, Chemistry and English
- Achievements: Achieved an average percentage of 90.8%, equivalent to A\* in the UK A-level system.

**DAV Public School** | Visakhapatnam, India

**June 2009 - May 2015**

*Secondary Education (Equivalent to GCSE Level)*

- Relevant Modules: Mathematics, Physical Sciences, Telugu, Hindi and English
- Achievements: Achieved an CGPA of 9.3, equivalent to Grade 8-9 in the UK GCSE system.

## **WORK EXPERIENCE**

**ONGC – Institute of Drilling Technology** | Dehradun, India

**July 2021 – August 2021**

**Summer Intern**

- Collaborated with experts at ONGC to gain an understanding of the design process for well-control equipment, as well as compliance needed for all 121 Indian industry standards and safety regulations.
- Presented wellhead and Christmas tree design review findings to 7 peers and supervisors to ensure project alignment and progress tracking.

## **LEADERSHIP EXPERIENCE**

**Royal Meteorological Society** | Reading, UK

**October 2023 - Present**

**Student Ambassador**

- Implemented 4 promotional campaigns targeting students, resulting in a significant increase in RMetS membership among peers.
- Maintained communication with RMetS for every 1 month, providing insights and feedback of students to enhance membership benefits according to student needs.

## **CERTIFICATIONS**

**Google Data Analytics** | Coursera ©

**December 2023 - May 2024**

- Conducted a case study for a fictitious bike share company, analysing strategies to improve subscription share among users.

**Machine Learning, Stanford Online** | Coursera ©

**July 2022 – December 2022**

- Completed a complete ML project, including the creation of an ML pipeline and a Convolutional Neural Network (CNN) for photo Optical Character Recognition (OCR).

**Digital Marketing** | Internshala ©

**June 2020 – August 2020**

- Developed a social media plan for a new bakery shop and created a Facebook campaign to build brand awareness.

**Global Energy Business, University of Colorado** | Coursera ©

**April 2020 – August 2020**

- Conducted a business analysis case study on the opportunity to purchase a small rooftop solar PV company in Tempe, Arizona.

## **SKILLS AND INTERESTS**

**Technical:** Proficient in Microsoft Office (Microsoft Excel, Microsoft PowerPoint), R, Python, Linux Operating System, MATLAB, SolidWorks, ArcGIS, QGIS, Spark, Spatial Data Analysis, AutoCAD.

**Languages:** English – Proficient, Hindi – Moderate, Telugu – Native.

**Interests:** Self-initiated research on Machine Learning, Reading Yoga Literature, Playing cricket at college level.

## **CONFERENCES AND WEBINARS**

**ReOPEN, Indian Institute of Petroleum and Energy | Visakhapatnam**

**February 2020**

- Facilitated discussions and learning sessions as a student member, contributing to the exchange of ideas and knowledge about the latest advancements in the Petroleum Sector.
- Volunteered in organizing the event, assisting with logistics and ensuring a smooth experience for all attendees.

**Introduction to Deep Learning and Applications in Image Processing, MathWorks**

**November 2020**

- Gained industrial experience in Deep Learning and image processing AI models, complementing the ML project work completed during the Stanford Online course.