



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.TECH	IIT Kharagpur	7.63 / 10
2022	B.TECH	Acharya N.G Ranga Agricultural University, Andhra Pradesh	7.17 / 10
2018	INTERMEDIATE	Board of Intermediate Education, Andhra Pradesh	79.4%
2015	SSC	Board of Secondary School Education, Andhra Pradesh	8.8 / 10

INTERNSHIPS

GIS Data analyst intern at Solid World

Provided a unique opportunity to apply advanced geospatial analysis techniques to real-world conservation challenges. Involved in a project focused on identifying suitable areas for afforestation using machine learning and geospatial tools.

Data Science intern at AcmeGrade Training and Internships partnered with IIT Bombay

Gained valuable exposure to Python programming, data analytics, and machine learning techniques during this internship. Worked on different machine learning projects, such as car price prediction and Parkinson's Disease prediction.

PROJECTS

A cloudburst prediction framework using selected meteorological parameters ~ Prof. Pranab Deb

Tech Stack: Python, pandas, numpy, matplotlib

Conducted a comprehensive assessment and an extensive evaluation of parameters influencing cloudbursts. Effectively used data analysis tools like Pandas, Numpy, and Matplotlib to analyze and visualize parameters variables such as temperature, precipitation, humidity, wind direction, and other climatic factors taken into consideration.

Identification of Areas for Potential Afforestation Through Geospatial Tools

Tech Stack: Python API, google earth engine, qgis, random forest algorithm

Employed the random forest classification algorithm in Google Earth Engine to successfully classify two temporal images. Developed a comprehensive land cover change map using QGIS and generated a slope map from SRTM DEM data. Subdividing obtained regions by lower slope values identified suitable areas for afforestation, ensuring sustainability.

Car Price Prediction

Tech Stack: Python, numpy, pandas, scikit-learn, matplotlib, regression, Random Forest

Developed a machine learning prediction model using Random Forest and Linear Regression to accurately forecast prices. Used preprocessing techniques like label encoding, one-hot encoding, standardized scaling, and hyperparameter tuning. A user-friendly Tkinter-based graphical interface was created to facilitate seamless interaction with the prediction model.

Mountain weather forecasting using Machine Learning Models ~ Prof. Mukunda Dev Behera

~M.Tech. thesis project

SKILLS AND EXPERTISE

Programming Language: Python (Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn)

Machine Learning: Linear Regression, Decision Tree, Random Forest

Soft skills: Leadership, Presenting skills, Team work, problem-solving

Miscellaneous: Google Earth Engine, Qgis, MS Office

COURSEWORK INFORMATION

Data Analytics | Computer Programming and Data Structures | Statistics | Computational Methods | Carbon Cycle and Global Climate Change | Remote Sensing | Climate Risk Assessment

CERTIFICATIONS

Python Complete Course for Beginners -Udemy | Python for Data Science, AI &Development - IBM & coursera

AWARDS AND ACHIEVEMENTS

Secured AIR 330 in GATE Examination 2022

EXTRA CURRICULAR ACTIVITIES

Playing Cricket | Trekking | Cycling

Worked as a Sports Representative during my undergraduate studies at CAE, Madakasira

Secured the second place at the university level in the debate competition

Participated in the 2nd National Sub Junior Cricket Championship organized by Interstate Cricket Federation-India

Successfully completed the Velliangiri Hills Trek in 2022