Shivank Chaubey

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EDUCATION

YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE
2024 - Present	**M.Tech | Department of Management Sciences**	Indian Institute of Technology Kanpur	-
2018-2022	B. Tech | Mechanical and Automation Engineering	Maharaja Agrasen Institute of Technology, GGSIPU, Delhi	8.58 CGPA
2018	Higher Secondary Education |CBSE	Kendriya Vidyalaya, Khichripur, Delhi	85.6%
2016	Secondary Education | CBSE	Seth Anandram Jaipuria School, Ghaziabad	9.2 CGPA

WORK EXPERIENCE (08 months)

Graduate Engineer Trainee @ Honda Cars India Pvt. Ltd. *(Aug'22-March'23)*

- Procurement of Laptops, Hard Drives, Network ports and other IT related products for inhouse plant.
- Scrap Selling Management and processing.
- Procurement of services of Inhouse machinery in various shops and AMC related purchase requisition from internal user.
- Worked on software such as SAP and ARIBA to generate PO's and scrap contracts for supplier's interest.

PROJECTS

SELF PROJECTS

1. CO2 Emission prediction (GitHub Link)

Objective: The objective of the project is to analyze the influence of various variables on CO2 emissions in vehicles and identify the most significant features affecting CO2 emission.

Method: Conduct Exploratory Data Analysis (EDA), Correlation Analysis on the provided dataset to Investigate relationships between different vehicle features and CO2 emissions. Utilize statistical techniques, and visualizations (Prediction Error visualization, for a Linear Regression model which helps to understand how well Linear Regression model is performing) to assess the influence of variables.

Package used: NumPy, Panda, Matplotlib, Seaborn

Result: "By visualizing the prediction errors of a Linear Regression model, we can uncover hidden patterns and biases, gaining a deeper understanding of its performance and identifying opportunities for improvement."

2. Rainfall Prediction (GitHub link)

Objective: The objective of the project is to train the model for rainfall prediction.

Method: Used random forest algorithm to train the model for rainfall prediction. Data consists of collection of numerical radar features collected in one hour. Training data was taken in between April to November 2013 and test data was from 2014.

Package used: NumPy, Panda, Seaborn, Matplotlib

Result: Through visualization, we had refine the essence of a Linear Regression model's performance, identifying key areas for enhancement and optimization.

COURSEWORK AND SKILLS

Academics Courses	**Probability & Statistics* | Operations Research for Management* | Statistical Modelling for Business Analytics* | Introduction to Computing***
Online Certified Courses	• **Data Science Toolbox from Coursera** - R programming, analyze data, problems and toolsets • **Introduction to Python from Coursera** - Python libraries, python for machine learning. • **Excel to Power BI from Coursera** • **Introduction to IOT's and Embedded systems from Coursera**
Technical Skills	Python |NumPy |Pandas |Power BI* |MS Excel | MS PowerPoint
Non-Technical Skills	Analytical Thinking | Problem Solving Approach | Strategic Thinking | Decision Making | Adaptability | Team Management | Communication Skills | Leadership | Team Work | Initiative Taking Skill

EXTRACURRICULARS

- Prominent member of ASHRAE (American Society of refrigeration and Air conditioning) from 2021-22 at Maharaja Agrasen Institute of Technology.
- Successfully completed projects such as **Design and Development of Auxiliary refrigeration system** and **Development of Ice slurry refrigeration system** which were completely funded by ASHRAE
- Worked with NGO, Leaders for tomorrow for the skill development of under privileged kids.

*Present / Under Progress