SURAJ CHAUDHARY

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EDUCATION DETAILS

YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	CGPA / %
2023-25*	M. Tech.| Department of Management Sciences	Indian Institute of Technology Kanpur	-
2017-21	B. Tech |Mechanical Engineering	Institute of Engineering and Technology Lucknow	8.13
2017	Higher Secondary Education	NIOS	National Institute of Open Schooling	75.2 %
2014	Secondary Education |UP Board	A.V.M.H.S.S. Khalilabad Sant Kabir Nagar	77.83 %

EXPERIENCE

Gail India Limited:
- One-year apprenticeship training in the maintenance department at GAIL India Limited, gained hands-on experience in troubleshooting, repairing, and maintaining equipment vital to the energy and petrochemical industries.
- Assisted senior technicians in diagnosing and addressing equipment malfunctions, ensuring optimal operational efficiency.
- Participated in routine inspections, preventative maintenance, and repairs of various machinery and systems.
- Collaborated with cross-functional teams to ensure timely resolution of maintenance issues and enhance overall operational performance.

SELF PROJECTS

Breast Cancer detection:
- 596 unique patients IDs and 33 attributes.
- Implemented a ML project using Python, demonstrating proficiency in **data preprocessing**, **feature engineering**, and **model development.**
- Leveraged Python libraries like **Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn** to perform data analysis and develop predictive models.
- Model trained using training data are- **Decision tree classifier, Random Forest classifier, Logistics regression.**
- Results- **accuracy=0.9510, precision=0.97, recall=0.96, f1 score=0.96, support=90** by **Logistics regression model.**
- Link - https://github.com/SurajChaudharyIITK/Breast-Cancer-detection

Startups Profit Prediction:
- Data of 50 new startups.

- Utilized key Python libraries including **NumPy, Pandas, Matplotlib, and Seaborn** for efficient **data analysis and visualization.**
- Employed **Linear regression model** for accurate prediction of the profits of startups in respective financial year.
- Results- **R2 score=94.188, Mean absolute error=7222.59, Root mean squared error= 904279.554**
- Link-https://github.com/SurajChaudharyIITK/Startups-Profit-Linear-Regression-Project

COURSEWORK AND SKILLS

Relevant Courses	**Statistical Modelling for Business Analytics*	Probability & Statistics*	Operations Research for Management* |Introduction to Computing***
Certified Online Courses	**Python for Machine Learning- GreatLearning** - NumPy, Pandas, other Python libraries **Excel for Beginners- GreatLearning** - Manage and Structure, Clean and Transform, Visual form with Chart and Infographics **Data Visualization with Power BI- GreatLearning** -Components, Building Blocks, DAX, Visual Analytics
Technical Skills	**Python*|** MS Excel**|** SQL* **|Java***|Power BI|MS PowerPoint

ACHIEVEMENTS
- Secured **AIR 1080** in the paper Mechanical Engineering in **GATE 2023.**

LinkedIn Profile Link -http://www.linkedin.com/in/suraj-chaudhary-568bb5213