

PROFESSIONAL EXPERIENCE

• FARMICON - IIT Roorkee

Research & Machine Learning Analyst

July 2023 - September 2023

- Led a research team to gather real-time data, appending it to 5TB of static data.
- Developed a machine learning model with a 95% accuracy level, trained it, and used it as a prediction algorithm for nutrient requirements in various crops.

• Trainity

Data Analyst Trainee

December 2022 - March 2023

- Analyzed and Operated on a Datawarehouse-stored firm dataset consequence in a 20% reduction in surplus inventories.
- Spearheaded the implementation of data cleansing techniques and visualization best practices using Tableau and Power BI, resulting in a 40% reduction in data errors and a 25% improvement in data accuracy.
- Accelerated an insights report resulting in a 10% boost in the likelihood of stakeholders investing in the organization.

• CELLSTRAT

Data Science & Machine Learning Summer Analyst

June 2022 - August 2022

- Implemented unsupervised machine learning techniques in Python for time series anomaly detection on 3TB of unstructured data, reducing the total process time by 20%.
- Presented results to the team's global head and wrote a requested executive summary detailing the value proposition and strategy, resulting in a successful pitch to end clients and senior leadership, ultimately securing a 10% increase in project funding.

PUBLICATIONS

- Sethi S, Panwar N. Intelligent Crop Selection and Soil Nutrient Management Using Machine Learning. In processing of acceptance.
- Sethi S, Singla D, Goel M. From Rumors to Reality: Exploring Machine Learning Approaches for Fake News Detection. Accepted (Under Publication).

SKILLS

Programming Languages	C++ (advance), Python, HTML, CSS, Latex
Data Science	Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Statistics, Numpy, Pandas, Matplotlib, SciPy, TensorFlow, Flask.
Tools	Tableau, Power BI, Microsoft Excel, Github
Database	MySQL, MongoDB
Soft Skills	Project Management, Analytical Skill, Teamwork, Leadership

PROJECTS

Data Analyst / Sales Analysis and Booze sale analysis

Software used- Tableau and Power BI

- Designed and Fashioned a Tableau and Power BI-based sales dashboard for the Superstore with a dataset including 60K entries.
- Analyzed sales, profit, ATP, revenue, and market data to identify trends and opportunities; developed data-driven strategies that increased revenue by 15% and profit margin by 8%.

Machine Learning

- Fake News Detection • Duplicate Question Predictor • Movie Review • Car Price Prediction • Amazon Glamour Fusion Modeling
- Implemented advanced NLP and predictive modeling to analyze User feedback data, resulting in a 15% increase in customer satisfaction scores.
- Modules: Handled text data, performed NLP processing techniques, used Count vectorization & TF-IDF, conducted Feature Engineering, Made predictions, fuzzy-wuzzy, and formed APIs.

Data Visualization/ IPL Matches visualization 2008-2022

Tech used- Excel

- Utilized advanced statistical techniques to conduct an in-depth analysis of IPL match data for more than 8 teams, revealing strategic patterns and player performance trends that contributed to optimized team strategies and enhanced overall performance.
- Defined color coding and Collaborative Data Visualization for 14-year data.

EDUCATION

Bachelor of technology in Computer science and Technology | 2020-2024, PIET

9.1 CGPA / 86%

Class XII(PCM) | 2019-20, Saraswati Vihar sen. sec. school

Scored 95% in PCM

Class X | 2017-18, Saraswati Vihar sen. sec. school

Achieved 92

NOTABLE ACHIEVEMENT

- Finalist in ISRO Mapathon 2020
- Former Student's Captain of Applied Science and Humanity 2020-2021
- Finalist in Innothon (Crop Analysis) 2021
- Yuva Innovator Finalist 2021
- ICIIP Patents 2021
- Lead Igniters of D2C Club (Unstoppable) 2022-2024
- Secured 2nd Position in National Hackathon organized by IIT Roorkee (National Social Submit) 2023
- SIH 2023 finalist (Internally) 2023