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SUJAL SETHI

Skills

Programming Languages	C++, Python, Javascript, HTML, CSS, Latex
Development	Flutter, Flask.
Computer Science	Data Structures and Algorithms, Object-Oriented Programming (OOP)
Tools	Tableau, Power BI, Microsoft Excel, Github
Database	MySQL, MongoDB
Soft Skills	Project Management, Analytical Skill, Teamwork, Leadership

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

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).

Projects

Data Analyst / Sales Analysis and Booze sale analysis /Tableau, 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/ Web Api
- • 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.

Sabse Tez / News API, Flutter, Dart, Android Studio
- Developed a News App which shows the current news and have categories of particular type of news.
- Using a API and HTTP requests to fetch data from the Internet.
- Cached some Images to save user's internet usage with the help of cached network image plugin.

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

Courses

- Completed a Data Structures and Algorithms course from Coding Ninjas, solving 350+ problems.

- Completed a Flutter course, gaining proficiency in Flutter and Dart, and created several beginner-level projects.