Satwik Uppada

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SKILLS

Languages: Python, SQL.
Data Science Skills: Data Analysis, Machine Learning, NLP, Data wrangling, Data visualization, Web Scraping.
Tools: Power BI, Ms. Excel, PowerPoint, Git, VsCode, Docker.
Libraries: NumPy, Pandas, Matplotlib, Seaborn, Beautiful Soup, Sklearn, Scipy, NLTK, SpaCy, Sweetviz, Ydata- Profiling.
Web Technologies: HTML, CSS, Streamlit, Tkinter.

INTERNSHIPS

EVOASTRA VENTURES | *Data science Intern* - Project based virtual internship | July 2024 - Present

- Led a team in task management and project coordination.
- Executed web scraping to gather data for analysis.
- Cleaned and prepared data using exploratory data analysis (EDA) techniques.
- Created and presented data visualizations with Power BI to communicate insights effectively.

TECHNOHACKS | *Machine learning intern* - Project based virtual internship | June 2024 - July 2024

- Created a machine learning-based web applications using Streamlit, for heart disease prediction, diabetes risk assessment, and Iris flower classification.
- Designed intuitive user interfaces with interactive forms and informative displays, enhancing user engagement and understanding.
- Integrated pre-trained ml models with web interfaces, bridging data science and web development to create practical AI tools.

CYBER DOSTI | *Data Science Intern* - Project based virtual internship | September 2023 - October 2023

- Analyzed 49,000 records with 16 attributes on occupation, work class, capital gain, etc., focusing on gender, age, and education.
- Developed and implemented high-accuracy machine learning models for fake news detection.
  - Decision Tree (99.82% accuracy)
  - Random Forest (99.89% accuracy)
- Designed and implemented a text-based virtual assistant using Python and Bard API.

PROJECTS

Olympics Dashboard - 2024 August 2024

- Designed an interactive Power BI dashboard for Olympic Games 2024, featuring advanced DAX for detailed athlete and medal insights.
- Implemented seamless navigation with custom buttons and dynamic visuals for enhanced user experience.
- Transformed complex data into compelling visuals, showcasing global trends and historical analysis.
- **Tech Stacks used:** Python, Power BI, Pandas

Email Interaction Dashboard July 2024

- Developed Power BI dashboard for Onyx Data July 2024 Challenge, analyzing corporate email trends.
- Used ZoomCharts for interactive, dynamic visuals, enhancing decision-making.
- Identified communication patterns and sentiment, improving corporate strategies.
- **Tech Stacks Used:** Power BI, ZoomCharts

Water Quality Monitoring and Prediction System July 2024

- Developed a Streamlit-based web app for real-time water quality assessment using various ml models , achieving the highest accuracy of 97.14% with Random Forest.
- Used Firebase for secure login and used MySQL for personalized data storage, allowing users to track their analysis history.
- Provided interactive visualizations for users to understand and analyze their water quality data over time.
- **Tech Stacks Used:** Python, MySQL, Sqlite3, Streamlit, Firebase Admin, JSON, Requests, Pandas, Sklearn, NumPy, Plotly

Salary Forecasting and Developer Insights Aprill 2024

- Developed Python-based data science project utilizing scikit-learn and Streamlit using Stack OverFlow Developer Survey Data 2023.
- Conducted comprehensive data preprocessing, including EDA techniques and label encoding, to ensure data readiness for ml.
- Implemented diverse machine learning models, including Linear Regression and Random Forest, achieving accurate salary predictions comparable to industry standards. Deployed web application using Streamlit for interactive model visualization.
- **Tech stacks used:** Python, Scikit-learn, Pandas, Streamlit, Streamlit_option_menu

Amazon Product Sales Analysis November 2023

- Utilized Python and data visualization techniques to analyze a vast dataset encompassing Amazon product sales data.
- Identified key trends in pricing, sales performance, and customer behavior across various product categories.
- Generated actionable insights to optimize sales strategies and enhance overall customer experiences on the Amazon platform.
- **Tech stacks used:** Python, NumPy, Pandas, Matplotlib, Seaborn, Scipy

EDUCATION

Lovely Professional University Phagwara, Punjab
Bachelor of Technology In Computer Science; Current **CGPA: 7.92** *Since 2021*

Sasi Junior College Velivennu, Andhra Pradesh
Intermediate; **Percentage: 95.1%** *Apr. 2019 - Mar 2021*