

SATWIK UPPADA

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Education

Lovely Professional University (7.92 CGPA) <small>CURRENT</small>	Phagwara, Punjab
Bachelor of Technology In Computer Science	Sep. 2021 - July 2025
Sasi Educational Institution (95.1 Percentage)	Velivennu, Andhra Pradesh
Senior Secondary	Apr. 2019 - Mar 2021

Work Experience

TECHNOHACKS <u>Machine learning intern</u> - Project based virtual internship	June 2024 - July 2024
<ul style="list-style-type: none">Developed machine learning-based web applications using Streamlit, including tools 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 machine learning models with web interfaces, bridging data science and web development to create practical AI tools.	
CYBER DOSTI <u>Data Science Intern</u> - Project based virtual internship	September 2023 - October 2023
<ul style="list-style-type: none">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.<ul style="list-style-type: none">Decision Tree (99.82% accuracy)Random Forest (99.89% accuracy)Designed and implemented a text-based virtual assistant using Python and Bard API.	

Projects

<u>Water Quality Monitoring and Prediction System</u>	Python, MySQL, Sqlite3, Streamlit, Firebase Admin, Requests, JSON, Pandas, Sklearn, NumPy, Plotly	JULY 2024
<ul style="list-style-type: none">Developed a Streamlit-based web app for real-time water quality assessment using various machine learning 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.		
<u>Salary Forecasting and Developer Insights</u>	Python, Scikit-learn, Pandas, Streamlit, Streamlit_option_menu	APRIL 2024
<ul style="list-style-type: none">Developed Python-based data science project utilizing scikit-learn and Streamlit using <u>Stack OverFlow Developer Survey Data 2023</u>.Conducted comprehensive data preprocessing, including EDA techniques and label encoding, to ensure data readiness for machine learning.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.		
<u>Multi Disease Detection System</u>	Python,Scikit-learn, Pandas, Streamlit, Streamlit_option_menu,Docker	MARCH 2024
<ul style="list-style-type: none">Developed a multi-disease detection system using SVM and linear regression algorithms in Python with scikit-learn.Demonstrated proficiency in Python, scikit-learn, and Streamlit for seamless integration of machine learning models, enabling efficient disease detection.Implemented Docker deployment for the multi-disease detection system, ensuring seamless and scalable application deployment across diverse environments.		
<u>Amazon Product Sales Analysis</u>	Python, NumPy, Pandas, Matplotlib, Seaborn, Scipy	NOVEMBER 2023
<ul style="list-style-type: none">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.		
<u>Student Registration System</u>	Python, Excel, Tkinter	MAY 2023
<ul style="list-style-type: none">Developed Python-based software for automating student registration, data collection, and course allocation.Designed a user-friendly interface for seamless navigation and efficient administrative tasks.Enabled real-time updates to streamline processes and enhance overall efficiency in educational institutions.		

Skills

Languages: Python, MySQL
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.

Certifications

Machine Learning (Self- Paced) Analytics Vidya	Feb 2024 - Mar 2024
Introduction to Natural Language Processing (Self- Paced) Analytics Vidya	Feb 2024 - Mar 2024
Data Structures and Algorithms(live classes) CIPHER schools	June 2023 - July 2023

Achievement

<ul style="list-style-type: none">Achieved a 5-star rating in MySQL competency on HackerRank, demonstrating proficiency in database management and querying.
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Extra-Curricular Activities

<ul style="list-style-type: none">Actively Participated in workshops on Artificial Intelligence conducted by Instabase and LPUParticipated in Hackathons conducted by UpGrad.
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