



# SATWIK UPPADA

Aspiring Data Scientist



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## Career Objective

A highly motivated and detail-oriented Computer Science student seeking an opportunity to apply my skills and gain practical experience in a professional setting.

## Technical Skills

- **Languages:** Python
- **Data Management:** MySQL
- **Data Science Skills:** Data Analysis, Data wrangling, Data visualization, Web Scraping, Machine Learning, NLP(NLTK).
- **Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Beautiful Soup, Scikit-learn, Streamlit, Tkinter.
- **Tools:** Power BI, Ms. Office, PowerPoint, Git, VsCode.

## Certifications

- Machine learning - Analytics vidhya- 2024
- Introduction to NLP - Analytics vidhya- 2024
- MySQL Certified - HackerRank - 2023
- Introduction to Statistics - Coursera- 2023
- Python Essentials Bootcamp - 2023

## Extra Curricular Activities

- Actively Participated in workshops conducted by Instabase and LPU
- Participated in Hackathons conducted by UpGrad.
- Sports Event Organizer(School Days)
- Led the organization of an annual sports event coinciding with Independence Day.

## Achievements:

- Achieved 5 STAR badge for MYSQL in HackerRank
- Achieved 83 percentile in JEE (2021)

## Work Experience

### CYBER DOSTI

September 2023 - October 2023

#### Data Science Intern - Project based internship

- 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.

## Capstone Projects

### Water Quality Monitoring and Prediction System

Python, MySQL, Streamlit, Pickle, Firebase Admin, Requests, JSON, Pandas, Sklearn, NumPy, Plotly.

JULY 2024

- 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 i 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.

### Salary Forecasting and Developer Insights

Python, Scikit-learn, Pandas, Streamlit

APRIL 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 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.

### Amazon Product Sales Analysis

Python, NumPy, Pandas, Matplotlib, Seaborn, Scipy

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.

### Student Registration System

Python, Excel, Tkinter

May 2023

- 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.

## Education

### Bachelor of Technology

Sep 2021 - Sep 2025

**University:** Lovely Professional University, Jalandhar.

**Field of study:** Computer Science and Engineering.

**CGPA:** 7.92 (6th semester).

Pursuing third year of Bachelor's degree in computer science and engineering. My specialization is in Data Science, focusing on AI and ML, and I am also doing a minor in DevOps.

### Intermediate

Apr 2019 - Mar 2021

**College:** Sasi Educational Institution, Velivenu, Andhra Pradesh.

**Stream:** MPC.

**Percentage:** 95.1%