

VINAY SANKAR PERNA

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STUDENT

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SUMMARY

I have a strong passion for Data Science. I'm fascinated by the way data can unveil insights and improve decision-making. My learning journey has taken me through **data analysis**, **machine learning**, and **predictive modeling**. I'm eager to apply data to real problems and innovative concepts. I'm excited to take on substantial projects and continue advancing my skills in the data realm.

SKILLS

- **PROGRAMMING LANGUAGES** || C, Python, C++, R.
- **DATA ANALYSIS** || Pandas, NumPy, SciPy
- **DATA VISUALIZATION** || Matplotlib, Seaborn, Plotly
- **MACHINE LEARNING** || scikit-learn, TensorFlow
- **STATISTICAL ANALYSIS**
- **DATA CLEANING AND PREPROCESSING**
- **SQL**
- **NATURAL LANGUAGE PROCESSING**
- **TABLEAU AND POWER BI**

INTERNSHIPS

- **DATA ANALYTICS**
- **ARTIFICIAL INTELLIGENCE - MACHINE LEARNING**
- **ROBOTIC PROCESS AUTOMATION**

CERTIFICATIONS

- **APPLIED DATA ANALYSIS PROFESSIONAL CERTIFICATE** || Google
- **MACHINE LEARNING** || Stanford University
- **ADVANCED PYTHON** || University of Michigan
- **APPLIED STATISTICS** || Stanford University
- **TABLEAU** || Internshala
- **VIRTUAL INTERNSHIPS**

INTERESTS

- **COMPETITIVE PROGRAMMING**
- **VLOGGING**
- **PLAYING CRICKET**
- **GAMING**
- **FILM MAKING**

PROJECTS

SALES PREDICTION FOR AMAZON PRODUCTS

- Developed a sales prediction model for Amazon products using Python and scikit-learn, leveraging historical sales data to enhance inventory management and allocation strategies.
- Conducted comprehensive data preprocessing, including handling missing values, encoding categorical features, and engineering relevant time-based and promotional features.
- Achieved a commendable RMSE of 12.5 on the validation set using a Gradient Boosting Regressor, enhancing accuracy in sales forecasting and optimizing resource utilization.

SENTIMENT ANALYSIS ON INSTAGRAM

- Conducted sentiment analysis on Instagram comments using Python and natural language processing techniques.
- Processed and cleaned text data, applied machine learning models, achieving an accuracy of 86% in sentiment classification.
- Provided actionable insights into user opinions and emotions, contributing to brand perception analysis and decision-making.

CHATBOT FOR COLLEGE WEBSITE

- Created an interactive chatbot for the college website, utilizing Python and integrating it seamlessly into the web interface.
- Incorporated natural language processing techniques to comprehend user queries and provide accurate and timely responses.
- Significantly enhanced user experience by offering immediate assistance, reducing manual support workload, and facilitating easy access to crucial college-related information.

EDUCATION

BACHELOR OF TECHNOLOGY || COMPUTER SCIENCE

VelTech University, Chennai, Tamil Nadu 2020 - 2024
CGPA: 7.6

INTERMEDIATE

Narayana Junior College, Vijayawada, Andhra Pradesh 2018 - 2020
CGPA: 8.2

HIGH SCHOOL

Vijayarani High School, Kanchikacherla, Andhra Pradesh 2018
CGPA: 9.2