

POTHANA VENKATA MOULI MURAPAKA

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SUMMARY

As a recent graduate in Computer Science Engineering, I offer a strong foundation in Python, Machine Learning, SQL, Data Analytics, and a drive for excellence. My academic journey, complemented by hands-on experience in projects, has cultivated my problem-solving skills and passion for making a positive impact. I'm enthusiastic about contributing my skills and fresh perspective to a forward-thinking team.

EDUCATION

LOVELY PROFESSIONAL UNIVERSITY Phagwara, Punjab
Bachelor of Technology - CSE (Specialized in Data Science) , 7.34 CGPA 07/2019 — 06/2023

WORK EXPERIENCE

DATA SCIENCE INTERN 08/2022 — 11/2022
Innomatics Research Labs

- Accomplished diverse tasks encompassing data analysis, visualization, and building machine learning models, attaining a robust 96% accuracy on a dataset of 10,000+ records. Constructed an interactive web application utilizing Flask, HTML, and CSS to convey machine learning insights effectively.
- Managed end-to-end projects involving data preprocessing, feature engineering, and model development, achieving a high 96% accuracy on extensive data.
- Successfully transformed machine learning insights into an intuitive web application, driving enhanced user engagement and demonstrating my proficiency in this domain.

DATA SCIENCE & BUSINESS ANALYTICS INTERN 05/2022 – 06/2022
The Sparks Foundation

- Conducted thorough data analysis on extensive datasets exceeding 20,000 records. Utilized Python and advanced data manipulation techniques to extract meaningful insights, supporting data-driven decision-making.
- Successfully developed predictive machine learning models for classification and regression tasks, achieving impressive accuracy levels ranging from 90% to 94%.
- Attained remarkable results in optimizing business strategies through the effective utilization of machine learning algorithms to create precise models.

PROJECTS

ATTENDANCE MARKING SYSTEM USING FACE RECOGNITION – (CAPSTONE PROJECT)

- Led a 4-person team to develop a face recognition application that captured and stored 100 photo samples of each student and tested with 50 students, fostering accurate attendance tracking.
- Developed a robust system using Python, Tkinter, OpenCV, and MySQL Database to streamline attendance marking in educational institutions; achieved a 90% accuracy and eliminated manual errors through efficient photo management and automated processes.

RETAIL PRICE PREDICTION

- Engineered a predictive model using machine learning to anticipate house prices in Bangalore. Achieved 92% accuracy in predictions while analysing area, bedrooms, and bathrooms across a vast dataset of 13,000+ entries.
- Successfully led the entire project lifecycle, data modelling, feature enhancement, machine learning model creation, and deployment as a user-friendly Flask application on AWS, resulting in seamless and accurate house price predictions.

BIGMART SALES PREDICTION

- Led a data-driven project focused on leveraging regression analysis and advanced statistical techniques to predict the sales of the company Big Mart based on the historical data and attained with 95% accuracy.
- Achieved accurate sales estimates by data cleansing, EDA, feature engineering, and machine learning model development, bolstering business outcomes.

AIRBNB BOOKING ANALYSIS

- Conducted extensive data cleaning, Exploratory Data Analysis (EDA), and produced over 20 visualizations using Matplotlib and Seaborn in Python on a dataset of nearly 46,000 records, revealing comprehensive booking trends.
- Designed and developed a comprehensive Tableau dashboard summarizing key findings, providing an intuitive interface to extract actionable insights from the data.

SKILLS

Technical Skills: C, C++, Python, Machine Learning, Deep Learning, HTML, CSS
Tools: Excel, Tableau, Power BI, VS Code, MySQL, Oracle
People Skills: Oral Communication, Active Listening, Leadership Skills
Certifications: Google Data Analytics Professional Certificate, Data Science from Internshala
Conferences/Achievements: 7th International Joint Conference on Computing Sciences