

# Vishwanth Reddy

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## SKILLS

- **Programming Languages:** Python, Java, C language
- **Frameworks:** HTML and CSS, Matplotlib, Seaborn
- **Tools/Platforms:** MySQL, Tableau, Power BI
- **Soft Skills:** Problem-Solving Skills, Time Management, Adaptability, Work Effective.

## PROJECTS

- **Box Office Revenue Prediction** Sep '24 – Nov '24
  - Developed a machine learning model to predict Worldwide Gross revenue of movies using historical box office data.
  - Trained and evaluated Linear Regression and Random Forest Regressor models using  $R^2$ , MAE, and RMSE metrics.
  - Implemented a prediction function to estimate revenue based on user-defined inputs for genre, rating, votes, etc.
  - **Outcome:** Gained in-depth understanding of supervised learning workflows, improved regression modeling skills, practiced interpreting evaluation metrics
  - **Tech:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Linear Regression.
- **Automotive Sales Analysis** Feb '24 – April '24
  - Conducted an in-depth exploratory data analysis (EDA) on a dataset of over 550,000 car listings to identify key pricing trends and factors influencing vehicle resale values
  - Cleaned and processed large datasets for analysis and Visualized pricing trends using Matplotlib and Seaborn. Analyzed the impact of brand, odometer, and condition on selling price
  - **Outcome:** Improved ability to analyze and interpret large-scale sales data to uncover patterns in pricing, demand, and vehicle condition. Strengthened skills in data wrangling, feature engineering, and exploratory data analysis (EDA)
  - **Tech:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn.
- **Auto-Capture Selfie by Detecting Smile.** Sep '23 – Nov '23
  - Built a real-time smile detection application leveraging OpenCV and Haar Cascade Classifiers. The system accurately detects faces and identifies smiles when smiled.
  - Integrated image preprocessing techniques to enhance detection accuracy and ensure consistent lighting conditions
  - **Outcome:** Gained practical experience in real-time computer vision using OpenCV; learned how to implement Haar cascade classifiers for facial and smile detection. Strengthened skills in image processing
  - **Tech:** Python, OpenCV, Cascade Library.

## SUMMER TRAINING

- **DATA SCIENCE - BOARD INFINITY** May '24 – July '24
  - Gained hands-on expertise in Excel, SQL, and Python for data analysis and manipulation.
  - Executed an IMDB Movie Rating Analysis project to explore rating trends and distributions.
  - Applied data visualization and statistical analysis techniques to interpret trends and patterns, enhancing understanding of audience preferences and movie success factors.

## CERTIFICATES

- Programming Fundamentals in Kotlin | Meta November 2024
- Data Science in python and Tableau | Board Infinity July 2024
- Data Scientist with Big data | LinkedIn Learning February 2024

## ACHIEVEMENTS

- **Hackathon Certification** March 2025
  - Ranked in the top 10<sup>th</sup> position out of 2k+ participants organized by Coding Blocks, demonstrating strong problem-solving and coding skills under pressure.
- **Java Programming Recognition** July 2024
  - Earned the Silver Badge in Java Programming on HackerRank during the CodEnigma 7.0 event, recognizing consistent performance and proficiency in core Java concepts.

## EDUCATION

- **Lovely Professional University** Punjab, India
  - Bachelor of Technology - Computer Science and Engineering; CGPA: 7.40 August-2022 - Present
- **Alwings Educare Academy** Hyderabad, Telangana
  - Intermediate with Physical Science; Percentage: 97% April 2020 - March 2022
- **Candor Shrine I Sr.Sec School** Hyderabad, Telangana
  - Matriculation; CBSE Score : 421 April 2019 – March 20