Yashwanth Booram

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SKILLS

- **Languages**: Python, Java, C++, JavaScript, C
- **Frameworks**: HTML and CSS, NodeJS, React, Rest API
- **Tools/Platforms**: Pandas, NumPy, Scikit-learn, Matplotlib, OpenCV, MySQL, MongoDB
- **Soft Skills**: Problem-Solving Skills, Team Player, Project Management, Adaptability

INTERNSHIP

- **Outlier – Generative AI Training Company** Since December 2024

  ~Generative AI Trainer-Freelance

  - **About**: Trained LLM Models in Detecting Hate Speech in prompts and helped to refine the responses of the Models for each individual prompt in various programming languages.
  - **Tech stacks used**: Python, Java, C++, JavaScript

PROJECTS

- **Customer Behavior Analytics – For Retail Stores**: Duration 2 Months
  - Made sure of high data quality by handling missing values and duplicates.
  - Utilized K-Means clustering and RFM analysis to categorize customers based on purchasing behaviour.
  - Developed interactive Power BI dashboards and insightful Matplotlib visualizations.
  - Provided actionable recommendations that enhanced customer engagement and improved revenue generation
  - Tech: Python, Matplotlib, K-Means Clustering, RFM Analysis, Google Colab
  - GitHub Repository: Link

- **Ship Detection in Satellite Imagery Using Deep Learning**: Duration 4 Months
  - The object detection system is made to identify and locate ships in high-resolution satellite images. It is developed using the HRSC2016 dataset.
  - Pre-processed image and annotation data, followed by image normalization and bounding box extraction processes.
  - Created a Convolutional Neural Network (CNN) model for ship detection, whose trained performance in object localization is obtained from the assigned annotated bounding box.
  - Evaluated performance with accuracy/loss curves to visualize model predictions while leaving areas improved for future testing, such as real-time detection with YOLO.
  - Tech: Python, Matplotlib, YOLOv3, OpenCV, TensorFlow parsing, Google Colab
  - GitHub Repository: Link

- **Adult Income Prediction Using Machine Learning** Duration 4 Months
  - Constructed a predictive model with the Random Forest classifier on the Adult Income data set, attaining high accuracy in classifying income levels from demographic and socioeconomic features.
  - A thorough data preprocessing, from the imputing of missing data to one-hot encoding, was performed to ensure data quality and model performance.
  - Feature importance analysis and EDA identified key drivers of income prediction such as education, occupation, and age, thus enabling data-driven insights.
  - Proved real-time applicability through a working prototype that predicts income level from user inputs, thus aiding wise decisions in public policy and finance.
  - Tech: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, Radom Forest, Google Colab
  - GitHub Repository: Link

CERTIFICATES

- Generative AI with Large Language Models by Coursera. Duration 3 Months
- Dynamic Programming, Greedy Algorithms by University of Colorado Boulder Duration 4 Months
- Google Cybersecurity (Google) Duration 2 Months
- Programming in C++: A Hands-on Introduction Duration 4 Months

EDUCATION

- **Lovely Professional University** Punjab, India
  Bachelor of Technology - Computer Science and Engineering; ***CGPA: 6.5*** *Since October 2022*
- **Narayana Junior College** Hyderabad, Telangana
  Intermediate; ***Percentage: 78.9%*** *April 2020 - March 2022*
- **Sri Chaitanya Techno School** Hyderabad, Telangana
  Matriculation; ***Percentage: 100%*** *April 2019 - March 2020*