

# Pasumarthi Bhanu Prakash

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## SKILLS

- Languages:** C++, Python, HTML, CSS
- Frameworks:** TensorFlow, Numpy, Pandas, Scikit-learn, Machine Learning
- Tools/Platforms:** MySQL, git-Hub, Google Colab
- Soft Skills:** Problem-Solving Skills, Active Listening, Time Management, Adaptability, Task prioritization and team collaboration

## INTERNSHIP

- Navodita Infotech** Oct 2024 – Nov 2024
- **Machine Learning Intern**
    - **About:** Implemented ML models for classification tasks, improving accuracy. Conducted data Pre-Processing Operations such as feature engineering, normalization, and imputation. Evaluated model Performance by computing confusion matrix metrics such as precision and recall scores.
    - **Tech stacks used:** Python, Scikit-learn, Keras, NLTK

## PROJECTS

- Sonar Rock vs. Mine Prediction (Logistic Regression | ML Classification Project)** Aug 2024
- Built a Logistic Regression model to classify sonar signals as rock or mine, achieving ~85% accuracy with feature scaling and hyper parameter tuning.
  - Applied preprocessing techniques including missing value handling, normalization, and 80/20 train-test split for reliable performance.
  - Enabled real-time predictions from user-provided sonar values with instant classification results.
  - Tech:** Python, Pandas, NumPy, Scikit-learn, Logistic Regression, Confusion Matrix, Accuracy Score.
- Movie Recommendation System (Content-Based & Popularity-Based Filtering)** Aug 2025
- Built a Movie Recommendation System using content-based and popularity-based filtering, improving recommendation accuracy by ~85%.
  - Processed and analyzed a dataset of 5,000+ movies, extracting key features such as genres, keywords, and ratings to generate personalized suggestions.
  - Implemented a popularity ranking algorithm that boosted user engagement by 30% compared to baseline random recommendations.
  - Tech:** Python, Pandas, NumPy, Scikit-learn, Cosine Similarity, TF-IDF, Content-Based Filtering, Popularity-Based Filtering.
- AI-Related Job Trends and Salaries Dashboard(Tableau):** Apr 2024
- Created a responsive dashboard visualizing AI job trends and salaries by experience, location, employment type, and employee residence, enabling data-driven insights.
  - Helped job seekers and professionals make informed career decisions by providing clear, real-time insights into the AI job market landscape.
  - Tech:** Tableau, LibreOffice

## CERTIFICATES

- Tata Data Visualization: Empowering Business with Effective Insights Job Simulation on Forage Nov 2024
- British Airways - Data Science Job Simulation on Forage Nov 2024
- BCG – Gen AI Job Simulation on Forage Nov 2024

## ACHIEVEMENTS

- Secured 9th rank in the General knowledge competition District wise:  
Participated and ranked 9th in the Competition .
- Received letter of appreciation from Hon. Shri Narendra Modi (Prime Minister India):  
For Selection under the Prime Minister's Scholarship Scheme under National Defence Fund.

## EDUCATION

- Lovely Professional University** Punjab, India  
Since October 2022
- Bachelor of Technology - Computer Science and Engineering
- Sasi Junior College** Visakhapatnam, Andhra Pradesh  
July 2020 - May 2022
- Intermediate; Percentage: 91%
- Sasi E.M. High School** Eluru, Andhra Pradesh  
June 2019 - May 2020
- Matriculation; Percentage: 91.5%