

Pasumarthi Bhanu Prakash

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SKILLS

- **Languages:** C++, Python, HTML, CSS
- **Frameworks:** TensorFlow, Numpy, Pandas, Silearn, 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 2025
 - 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%**