

# PITLA RANJITH KUMAR

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## CAREER OBJECTIVE

Enthusiastic Computer Science graduate with knowledge of Python and SQL, aiming for a Graduate Trainee role to contribute to real-world projects, strengthen technical expertise, and build a strong foundation for a successful career in software development.

## SKILLS

- **Programming Languages:** Python, Java, JavaScript.
- **Web Technologies & DBMS :** HTML, CSS ,SQL.
- **Tools & Libraries :** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Excel, RapidMiner, Jupyter Notebook.
- **Data Science and Machine Learning:** Data Cleaning, Exploratory Data Analysis (EDA), Classification & Regression.
- **Soft Skills:** Problem-Solving Skills, Decision-making, Adaptability.

## PROJECTS

Movie Recommendation System Using Machine Learning:

~Dec-2025

- Developed a hybrid recommendation system using content-based and collaborative filtering techniques to provide personalized movie suggestions.
  - Applied TF-IDF for content-based filtering, leveraging movie metadata (genres, actors, director) to compute movie similarities.
  - Used K-Nearest Neighbors (KNN) algorithm for collaborative filtering, analyzing user ratings and preferences to recommend movies.
- Technologies:** Python, Machine Learning, Deep Learning, Scikit-Learn, Streamlit, Data Visualization.

Backorder Prediction Using Machine Learning:

~May-2025

- Developed a predictive model to identify products at risk of going on backorder using classification algorithms.
  - Analyzed historical inventory, demand, and supply chain data to uncover key patterns affecting stock availability.
  - Performed data preprocessing, handled imbalanced datasets, and optimized model performance using metrics like precision and F1-score.
- Technologies :** Python, Scikit-learn, Pandas, Machine Learning, Predictive Analytics.

Car Rental and Services System:

~Aug-2024

- Developed a responsive web-based application that allows users to reserve cars for a specific date and time duration.
  - Implemented a user-friendly landing page to enhance customer experience and improve overall website navigation.
  - Designed and built key features such as car listing, booking interface, availability checking, and service details pages.
- Technologies:** HTML, CSS, JavaScript, Web Development.

## CERTIFICATIONS

- |   |                    |
|---|--------------------|
| • Web Development   Generative AI - Coding Ninjas | Oct 2025-Nov 2025  |
| • Data Analysis with Python - Cognitive.ai        | Aug 2024-Sep 2024  |
| • Introduction to IoT - MindLuster                | Mar 2023- Apr 2023 |

## ACHIEVEMENTS

- Secured 2nd Rank in B.Sc. Computer Science at Malla Reddy University (2022).

## EDUCATION

- |  |                         |
|--|-------------------------|
| <b>Lovely Professional University</b>                              | Punjab, India           |
| • Master of Computer Applications(Data Science) - <b>CGPA: 7.0</b> | August 2023 - July 2025 |
| <b>Malla Reddy University</b>                                      | Kompally, Hyderabad     |
| • Bachelors of Computer Science; <b>Percentage: 89%</b>            | Nov 2020 - May 2023     |
| <b>Sri Aryabhata Junior College</b>                                | Kamareddy, Telangana    |
| • Intermediate; <b>Percentage: 94%</b>                             | June 2018 - May 2020    |
| <b>Vignan High School</b>  | Kamareddy, Telangana    |
| • Matriculation; <b>CGPA: 9.2</b>                                  | June 2017 - March 2018  |