Poluboina Akash Ram

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# Skills

* **Languages**: Python,Java,c
* **Frameworks**: Machine Learning, Natural Language Processing (NLP), Computer Vision
* **Tools/Platforms**: Google Colab, Jupyter Notebook
* **Soft Skills**: Discipline, Curiosity and Lifelong Learning, Teamwork

# Summer Traning

**Board Infinity** Jun 2024– July 2024

### Intern – Data Structures and Algorithms

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* About: Developed a Library Management System in C++, implementing core Data Structures andAlgorithms concepts.
* Designed efficient searching, sorting, and database management functionalities for optimized performance.
* Gained hands-on experience in object-oriented programming and file handling in C++.

**Tech stacks used**: C++, Data Structures & Algorithms (DSA).

# Projects

#### Restaurant Recommendation System : Sep 2024-Nov 2024

#### Developed a restaurant recommendation system using collaborative and content-based filtering

#### with Scikit-Learn for personalized suggestions.

#### Deployed the system as a Flask web application and evaluated its performance using metrics like Precision,

#### Recall, and F1-Score.

**Tech:** Python, Machine Learning, Pandas, Scikit-Learn, Flask**.**

#### Wine Quality Prediction using Machine Learning: Feb 2024-Mar 2024

* Developed a machine learning model to predict wine quality based on physicochemical features.
* Analyzed and preprocessed the UCI Wine Quality dataset for feature selection and data cleaning.
* Implemented classification models like Logistic Regression, Random Forest, and SVM to optimize

Prediction accuracy.

* Achieved an accuracy by fine-tuning hyperparameters and evaluating

Performance metrics.

**Tech**: python, Scikit-Learn, Pandas, NumPy, Matplotlib

# Certificates

### Object-Oriented C++: Inheritance and Encapsulation Nov 2024

### Certified in Data Structures and Algorithms on Udemy Jul 2024

### Certified in Data Structures and Algorithms (DSA ) Nov 2023

# Education

**Lovely Professional University** Punjab, India

### Bachelor of Technology - Computer Science and Engineering; **CGPA : 6.1** Since August 2022

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**Master iit and Medical College** Vijayawada, Andhra Pradesh

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### Intermediate; **Percentage: 75%** June 2020 - May 2021

**Narayana High School** Nuzvid, Andhra Pradesh

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### Matriculation; **Percentage: 93%** June 2018 - March 2019