# GNANESWAR PEDDINA

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## OBJECTIVE

To secure a challenging role in software development where I can leverage my academic knowledge and technical skills to contribute to innovative projects and the overall growth of the company. I am eager to learn and develop professionally in a dynamic and collaborative environment.

## EDUCATION

***Sathyabama Institute of science and Technology, Chennai, India*** 2021 - 2025

- Bachelor of Engineering ( B.E ) in CS &E with A.I | C G P A : **8.05**

***Sri Chaitanya Junior College, Hyderabad, Telangana, India***

- Board of Intermediate Education ( MPC ) | Secured : **88%** 2019 - 2021

***Dr. KKR Gowtham Concept School, Telangana, India***

- Board of Secondary Education | G P A : **9.0** 2018– 2019

## SKILLS

| | | |
|---|---|---|
| ***Languages*** | : | Python |
| ***Databases*** | : | SQL |
| ***Technologies*** | : | HTML, CSS, AI / ML |
| ***Soft skills*** | : | communication, Typing, Leadership skills, Creativity |

## PROJECTS

***Optimizing Data Redundancy in HDFS Using Machine Learning Clustering Techniques***

- Designed a clustering-based approach to optimize data redundancy in Hadoop Distributed File System (HDFS), reducing storage overhead while maintaining reliability
- Grouped similar data blocks using machine learning techniques to improve storage utilization

***Real Estate Valuation***

- Developed a machine learning model to predict house prices based on features like location, size, and number of bedrooms, using **Linear Regression** (70% accuracy) and **Random Forest** (85-90% accuracy).
- Processed and cleaned the dataset by handling missing values, selecting relevant features, and encoding categorical data to make it ready for training, ensuring reliable and consistent model performance.

***Cardiovascular Disease Prediction***

- Developed a machine learning model to predict cardiovascular disease risk (80-85% accuracy) using features
- Pre-processed data by handling missing values, scaling, and encoding, and applied models like Logistic Regression and Random Forest to identify the most accurate algorithm.

## PUBLICATIONS

'Optimizing Data Redundancy in HDFS Using Machine Learning Clustering Techniques' is published in IEEE at International Conference on Advances in Computing Technologies in the year 2025.

## CERTIFICATIONS

- ***Python*** - Coding Ninjas, Udemy ( LINK)
- ***Machine Learning*** - Cognibot (LINK)

## LANGUAGES

- English – Working proficiency
- Telugu – Native
- Hindi – Elementary proficiency