

Hemanth Kumar Muppavarapu

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EDUCATION

VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Bachelor of Engineering

Cumulative GPA: 8.3/10.0

Hyderabad

Expected May 2025

BHASHYAM JUNIOR COLLEGE

Intermediate Studies in MPC | Percentage: 95.6%

Hyderabad

Jul 2019 - Jul 2021

EXPERIENCE

BHARAT INTERN

Machine Learning Intern

Hyderabad

Sep2023 – Oct 2023

- A 4 weeks virtual internship under the field of machine learning

PROJECTS

HOUSE PRICE PREDICTION

Jul 2023

Built a House Price Prediction model using linear regression to estimate property values with a dataset of 21614 data rows and 21 feature columns

- I achieved an R-squared value of 0.701, indicating that approximately 70.18% of the variance in house prices is explained by the model
- https://github.com/hemanth1309/House_price_prediction

WINE QUALITY PREDICTION

Aug 2023

Implemented a Wine Quality Prediction model utilising linear regression and thorough data cleaning to handle null values.

- Employed one-hot encoding to handle categorical variables effectively and used a dataset containing 6498 data points and 13 feature columns
- Meaningful evaluation with a low Mean Squared Error (0.5212) and a moderate R-squared value (0.3565), indicating a reasonable fit of the model to the data.
- https://github.com/hemanth1309/Wine_quality_prediction

EXPLORATORY STUDY ON NASA ASTRONAUTS

Oct 2023

A hybrid approach of SQL and Python to interface with a dedicated database. This exploratory study focused on NASA astronauts, utilising SQL queries to extract relevant data stored within the database.

- Established a robust connection between Python and a database using SQL, ensuring seamless data retrieval.
- <https://hicounselor.com/certificate/verify/Njk5NDMxOTM=#>

SPAM MESSAGE CLASSIFICATION

Dec 2023

Formulated a Spam Classification system using a Naive Bayes classifier, leveraging a dataset for training and evaluation.

- Achieved a commendable accuracy of 89.73% on the test set, showcasing the effectiveness of the model.

ACTIVITIES

PYTHON APPLICATION DEVELOPMENT BOOTCAMP

Hyderabad

Volunteer for the Events

Oct 2023

- Contributed to a coding initiative, assisting 250+ students over 4 days. Facilitated learning sessions, provided guidance on coding concepts, and fostered a collaborative learning environment.

SMART INDIA HACKATHON

Hyderabad

Organised by Govt of India

- Participated in the organisation of the national-level hackathon where more than 100 teams participated and ensured the smooth flow of event activities.

ADDITIONAL

Technical Skills: Python, Java , mySQL , Docker, Supervised Machine Learning (Linear ,Multiple ,Logistic), DSA

Languages: English ,Hindi ,Telugu

Certifications & Training: Cloud Computing (with elite and 72% results, conducted by IIT Kharagpur),Supervised Machine Learning (Certificate from Coursera issued for completion of the course by AndrewNg) ,Problem Solving Intermediate(5 Star Gold Certification by Hackerrank)