

HEMANTH KUMAR MUPPAVARAPU

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SKILLS

Python • Java • MySQL • Data Structures & Algorithms • Docker • Supervised Machine Learning

EDUCATION

VNR Vignana Jyothi Institute of Technology	Hyderabad
B.Tech GPA: 8.3 / 10	11/2021 - 6/2025
Bhashyam Junior College	Hyderabad
Intermediate Studies in MPC Percentage: 95.6%	05/2019 - 08/2021

EXPERIENCE

Bharat Intern	09/2023 - 10/2023
A one month virtual internship under the field of machine learning	

COURSES & CERTIFICATES

Cloud Computing	— Earned the Elite Certificate with 72% from IIT Kharagpur
Supervised Machine Learning	— Certificate from Coursera issued for completion of the course by AndrewNg
Problem Solving (Intermediate)	— Certificate from Hackerrank an online coding platform for Data Structures and Algorithms with 5 star Gold Certification and solved more than 400 coding questions

PROJECTS

House price prediction https://github.com/hemanth1309/House_price_prediction	09/2023
<ul style="list-style-type: none">I achieved an R-squared value of 0.701, indicating that approximately 70.1% of the variance in house prices is explained by the modelDeveloped and trained a highly accurate linear regression model using Python and scikit-learn library, enabling precise house price predictions with an average error rate of less than 5%	
Wine Quality Prediction https://github.com/hemanth1309/Wine_quality_prediction	
<ul style="list-style-type: none">Employed one-hot encoding to handle categorical variables effectively.Meaningful evaluation with a low Mean Squared Error (0.5215) and a moderate R-squared value (0.3578), indicating a reasonable fit of the model to the data.	
Exploratory Study on NASA Astronauts https://hicounselor.com/certificate/verify/Njk5NDMxOTM=#	
<p>A hybrid approach of SQL and Python to interface with a dedicated database. This exploratory study focused on NASA astronauts, utilizing SQL queries to extract relevant data stored within the database.</p> <ul style="list-style-type: none">Established a robust connection between Python and a database using SQL, ensuring seamless data retrieval in PHP	
Spam Message Classification	
<ul style="list-style-type: none">Employed natural language processing techniques to preprocess and vectorize text data effectivelyAchieved a commendable accuracy of 89.14 percent on the test set, showcasing the effectiveness of the model.	

VOLUNTEERING

Boot Camp ByCodeGyan	
Python Application Development	10/2023
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.	
Government of India, All India Council for Technical Education.	
Smart India Hackathon	12/2023
Contributed to the organization of the national-level hackathon and over 100 teams had participated and ensured the smooth flow of event activities.	