

SATHYA CHEELA

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SUMMARY

Identifying myself as a **4th year undergraduate CSE** specialized in Artificial Intelligence student skilled in various programming languages. Highly motivated Software Developer Enthusiast, eager to kick-start a carrier in the dynamic world of Software Developer. I am a quick learner staying up-to-date with emerging technologies. I am eager to work & make a significant impact.

SKILLS

Programming Languages: Python, C

Technologies: HTML

Database Management: MySQL

Operating System: Linux

PROJECTS

Bike Rental Demand Prediction

- Predictive Model Development: Designed and implemented a machine learning model to predict bike rental demand based on historical and weather data, ensuring accurate and actionable insights.
- Feature Engineering: Conducted data preprocessing and feature selection to improve model performance, employing techniques like one-hot encoding and scaling for categorical and numerical data.
- Model Evaluation: Utilized regression models, including linear regression and random forest, for evaluation and optimization, achieving a high level of predictive accuracy.
- Tools/Technologies Used: **Python, Pandas, NumPy, Scikit-learn, Matplotlib, Jupyter Notebook**

Car Loan EMI Calculator

- Interactive EMI Calculator: Developed a web application to calculate car loan EMIs, providing users with real-time inputs and results for effective financial planning.
- Dynamic User Interface: Leveraged JavaScript to create a responsive and interactive interface, enabling seamless user experience across devices.
- Comprehensive Design: Ensured accuracy and user engagement by incorporating validation checks and intuitive visual layouts.
- Tools/Technologies Used: **HTML, CSS, JavaScript, VS Code**

Finding Missing Persons Using AI

- AI-powered Recognition: Designed an advanced facial recognition system to aid in identifying missing persons by analysing public images against a scalable database.
- Integration with Public Participation: Built a platform to allow public contributions of images and information, enhancing search efficiency through crowdsourced efforts.
- Robust Data Management: Developed scalable database management for storing and analysing high volumes of data, ensuring quick and reliable processing.
- Tools/Technologies Used: **Python, PostgreSQL, Dlib, Machine Learning**

EDUCATION

Sathyabama Institute of Science and Technology, Chennai, India

2021 - 2025

- Bachelor of Engineering (B.E) in Computer Science and Engineering | CGPA: **8.82/10.00(Recent)**

Narayana junior college, Hyderabad, India

2019 - 2021

- Class XII, Aggregate: **93.8%**

Vijay High School

2018 - 2019

- Class X, Aggregate: **90%**

CERTIFICATIONS

PWC Salesforce Launchpad

Machine Learning (cognibot)

LANGUAGES

Hindi

English

Telugu