

Parvathareddy Sai Dhruv Reddy

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SUMMARY

Dedicated IT enthusiast, with a stable foundation in programming, known for quick learning and adept problem-solving. Demonstrates effective communication and thrives as a collaborative team player.

EDUCATION

2020 - 2024 Bachelor's Degree at **B.M.S. College of Engineering**
2020 Class 12th **Fiitjee Junior College**
2018 Class 10th **Fiitjee World School**

SKILLS

Technical

- Java
- Python
- PHP
- SQL
- Shell Scripting
- UNIX/LINUX Environment

Non-technical

- Communication
- Teamwork
- Problem Solving/Critical Thinking
- Ethics and Integrity

PROJECTS

Crime Prediction Using K-Means Clustering

- Employed K-means clustering, a data mining and machine learning technique, to analyze crime patterns in areas experiencing rising crime rates in India.
- Employed a dataset with 821 data points, covering 27 columns of information. Trained machine learning models with an 80:20 split for training and testing, to predict crime rates by state, district, and year, using K-means clustering to identify crime hotspots.
- Achieved high accuracy in crime prediction, enabling law enforcement agencies to develop data-driven strategies for crime prevention and control, including hotspot identification. Reported test set accuracies: 95.1, 97.1, 98.1, and 96.5.

E-commerce Website

- Developed a dynamic e-commerce platform for mask sales by integrating PHP with a database using XAMPP.
- Managed product information, inventory, and customer data through MySQL database integration, allowing users to interactively browse and purchase masks.

Online Voting System

- Implemented an "ONLINE VOTING SYSTEM" web application using PHP and MySQL, with user registration and unique Voter IDs stored in the MySQL database.
- Ensured data integrity and security by employing PHP-based data validation and rejecting incomplete or invalid registration details.