

# YESHWANTH REDDY

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## Education

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### Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science (Artificial Intelligence & Machine Learning)

CGPA: 8.04

Oct. 2020 – July 2024

### Sri Chaitanya Junior College, Hyderabad

Intermediate - Mathematics, Physics, Chemistry

Percentage: 96.6

June. 2018 – March 2020

### Frobel's High School, Kamareddy

SSC

GPA: 9.3

April 2018

## Projects

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### Cervical Spine Fracture Detection

January 2024 - May 2024

- Developed and implemented an automated deep learning system for cervical spine fracture detection using 2D radiographic and 3D CT scan images. Achieved high sensitivity and specificity to minimize false positives and negatives.
- Trained a UNET-based model on a comprehensive data set of annotated cervical spine images, enhancing segmentation accuracy and improving fracture recognition patterns.
- **Tech-stack:** Python (Pandas, Matplotlib), Data Analysis, Machine Learning, Flask

### Flight Price Prediction

May 2023 - July 2023

- Developed a Machine Learning model using Python and scikit-learn to predict flight prices acquiring high accuracy over 95%.
- Utilized historical flight data, weather data, and airline-specific features to train the model which provides the users with an estimate of how fares might change overtime.
- Implemented a web application using Flask to allow users to input flight details and receive a predicted price.
- **Tech-stack:** Python (Pandas, Matplotlib), Data Analysis, Machine Learning.

### Travel Agency

January 2024 - February 2024

- Conducted EDA on user booking data to identify popular destinations and package preferences. Utilized SQL queries to extract insights like most booked packages and average booking duration
- Integrated MySQL database for storing user information (usernames, passwords, booked packages), leveraging Python's MySQL Connector for seamless communication and efficient data management.
- **Tech-stack:** Python, MySQL, MySQL Connector, Git.

## Technical Skills

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**Languages:** Python, SQL, C++

**Frameworks:** Pandas, Numpy, Matplotlib, Scikit-learn

**Tools:** Excel, Tableau, My SQL, Postgre SQL, Powerpoint

**Platforms:** Jupyter Notebook, Visual studio code

## Certifications and Achievements

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- Certified by Smart Bridge Solutions for participating in a virtual internship for APPLIED DATA SCIENCE.
- Certified by Coursera for the course Applied Machine Learning in Python.
- Certified by CognitiveClassAI for Python & SQL, Relational Data base courses.
- Achieved Campus rank < 100 in GeeksforGeeks, solving more than 150 problems.

## Extra-Curricular

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- Volunteered an Event for Telugu club, VIT Bhopal.
- Member of School Cricket team at Inter-School Cricket Tournament.