

VISHRANTH MSK

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EDUCATION

Padma Seshadri Bala Bhavan Senior Secondary School

Jun 2006 – May 2021

Computer Science

Grade : 89.4%

Vellore Institute Of Technology, Chennai

Jul 2021 – Jun 2025(expected)

BTech in Computer Science Engineering With Specialisation In Cyber Physical Systems

CGPA: 8.51

Relevant Courses: Data Structures & Algorithms, Database Management Systems, Computer Networks, Probability & Statistics, Object Oriented Programming, Operating Systems

EXPERIENCE

TATA CONSULTANCY SERVICES Ltd

Aug 2023 - Sep 2023

Data Science Intern

 [Code](#)

* Developed a Text summarisation tool using TextRank algorithm for extractive summarization

* Developed a Face Recognition tool using OpenCV

PROJECTS

Garbage Classification Web Application

 [Code](#) *Mar 2024 – Apr 2024*

* Developed a garbage classification app utilizing CNN to classify waste types from images, achieving high accuracy in predictions.

* Implemented a responsive and user-friendly interface using HTML and CSS and integrated Flask for backend processing

Two-stage Flight Delay Prediction


 [Code](#) *Aug 2023 – Sep 2023*

* Developed a two stage predictive machine learning engine that forecasts the on-time performance of flights in the USA based on weather data.

* Attained an exceptional F1 score of 0.93 using Random Forest Classifier, signifying precise and accurate determination of flight delays versus on-time departures.

* Achieved a remarkable Mean Absolute error of 11.98 using XGBoost Regressor, signifying consistently accurate predictions within about 11.98 minutes of actual delays.

Zenith - An E-Commerce Website

 [Code](#) *July 2023 – Sep 2023*

* Designed and implemented an intuitive and visually appealing user interface using HTML, CSS, and Bootstrap Javascript enhancing the shopping experience for end users.

* Implemented a store locator functionality, enabling customers to find nearby stores easily. Integrated maps and geolocation services for accurate results.

Quiz Portal

 [Code](#) *Mar 2021*

* Developed a Quiz portal with Tkinter for front-end, python and MySQL

* Created an admin panel with secure login to manage quizzes, add new questions, and monitor user activity using python

* Integrated a MySQL database to store an extensive question bank

SKILLS

Languages: C++, Java, Python, SQL

Frameworks and Libraries : Pandas, Numpy, Scikit-learn, Matplotlib, Seaborn, Tkinter, Git, HTML, CSS, Bootstrap, ReactJS, UX/UI : Figma high fidelity wireframes

ACHIEVEMENTS AND EXTRA-CURRICULARS

* Placed 2nd out of 50 teams in an UX/UI Contest conducted by VIT, Chennai.

* Placed 3rd in Inter-school state level hockey tournament conducted by CBSE

CERTIFICATIONS

* Machine Learning A-Z™: AI, Python R + ChatGPT Bonus [2023] [[Udemy](#)]

* The Complete 2023 Web Development Bootcamp [[Udemy](#)]

* Figma UI UX Design essentials [[Udemy](#)]