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]