Vivek Jaiswal

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EDUCATION

Vellore Institute of Technology, Vellore   July 2022 – Present
B. Tech in Computer Science and Engineering   *CGPA: 8.52 / 10*
Key Courses: Data Structures & Algorithms, DBMS, Computer Networks, OOPS, Web Development, Software Engineering, Artificial Intelligence, Operating System
Clubs: IEEE Computer Society, Spanish Literacy Association, ADGVIT, NGO Anokha

PROJECTS

Podcast Streaming   Demo Link
Full Stack Developer — ReactJS, ExpressJS, MongoDB, REST APIs
- Designed and developed the **frontend using ReactJS**, enabling users to browse, play, and manage podcast content with an intuitive interface.
- Built a **Node.js + Express.js backend** with secure **JWT-based user authentication** and **role-based access control** (admin/user).
- Integrated **MongoDB with GridFS** to support **file uploads and efficient streaming** of large media files (audio/video).
- Ensured a seamless user experience with **responsive design**, media player controls, and playlist management features.
- Used **Git and GitHub** for collaborative development and configuration management across multiple projects.

House Price Prediction   Demo Link
Machine Learning / Data Science Project — Python, ReactJS, REST APIs
- Developed a **machine learning model** using XGBoost Regressor to predict house prices, achieving **R^2 score of 0.82** on test data, with full data preprocessing and exploratory analysis using Pandas, Matplotlib, and Seaborn
- Created an interactive **ReactJS dashboard** integrated with a **Python backend** to visualize model performance, price distributions, and feature-price relationships in real time.
- Deployed the project with support for **Jupyter Notebook**, standalone Python scripts, and a web application accessed via **REST APIs**.

Cryptocurrency Dashboard   Demo Link
Frontend Developer — Tailwind CSS, JavaScript
- Designed a clean and minimal **user interface using Tailwind CSS**, ensuring mobile responsiveness and visual consistency.
- Used **JavaScript to fetch real-time data** from cryptocurrency market APIs (like CoinGecko or CoinMarketCap).
- Implemented interactive components such as **price charts, currency filters, and live** search functionality.

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript, SQL
- **Web / Full-Stack Development:** HTML, CSS, ReactJS, Tailwind CSS, ExpressJS, MongoDB
- **Tools & Platforms:** Git, GitHub, MySQL, VS Code
- **Design:** Figma, Canva
- **Soft Skills:** Problem Solving, Communication, Leadership, Team Management, Critical Thinking

EXPERIENCE & LEADERSHIP

IEEE Computer Society – VIT
Senior Core Member — Jan 2024 – Jan 2025
- Organized **coding workshops and SDE prep** sessions.
- Mentored juniors in **DSA and project development.**
- Contributed to collaborative team-based software initiatives.

Spanish Literacy Association – VIT
Design Head — Jul 2024 – May 2025
- Led the **design team to create 30+ digital assets** for events and outreach.
- Coordinated with **cross-functional teams** for event promotion and campaigns.

ACHIEVEMENTS

- **Microsoft AI Fundamentals Certificate**   Certificate Link
- **MERN Full Stack Certificate** – by Ethnus   Certificate Link
- **Tailwind CSS Bootcamp** – LetsUpgrade (3-day hands-on workshop)