Y Revathi

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SUMMARY

Recent B. Tech graduate from Don Bosco Institute of Technology with a solid foundation in front-end development (HTML, CSS, JavaScript) and a growing focus on full-stack web technologies. Passionate about building user-centric digital solutions, I thrive in collaborative environments and am committed to continuous learning. Currently expanding my backend skills to become a versatile and impactful software engineer.

TECHNICAL AND SOFT SKILLS

Programming Languages: Java, HTML, CSS, JavaScript, SQL, Basics of Python

Relevant Coursework: Data Structures and Algorithms in Java

Libraries & Tools: Bootstrap, MERN Stack (MongoDB, Express.js, React.js, Node.js)

Soft skills: Self-learning, Presentation, Adaptability, Self-motivator, Time management, Communication skills

PROJECTS

1) Real estate valuation

- Developed and deployed end-to-end ML models for real-world applications such as classification, regression, and clustering problems.
- Performed extensive data preprocessing including data cleaning, feature engineering, and outlier treatment on structured and unstructured datasets.
- Built custom deep learning models using TensorFlow and PyTorch for tasks like image recognition, NLP, and time-series forecasting.
- This project leverages data analytics, machine learning, and market insights to provide a comprehensive and accurate real estate evaluation system.
- It integrates various factors such as property attributes, location trends, economic indicators, and historical data to generate precise property valuations.
- The system can be used by real estate professionals, investors, and homeowners to make informed decisions. Key features include automated valuation models (AVMs), predictive pricing analysis, risk assessment, and interactive data visualization.

2) IoT Asset Tracking system

- Designed and developed a real-time asset tracking system using IoT technologies to monitor and manage valuable resources efficiently.
- Integrated GPS modules and IoT sensors to collect location and status data from remote assets.
- Used microcontrollers i.e. ESP32 for data acquisition and communication.
- Utilized ThingSpeak as the cloud platform to store, visualize, and analyze live data streams from remote devices. Implemented data logging, location mapping, and alert mechanisms for efficient asset management.
- Developed a web/mobile dashboard to display asset location on interactive maps with alerts for unauthorized movement or threshold violations.
- This system provides businesses with improved visibility, operational control, and theft prevention—ideal for logistics, warehouse, and equipment tracking use cases.

3) Weather Prediction Website - Link

- Developed a responsive web application using React that provides real-time weather updates based on user input.
- Integrated the OpenWeatherMap API to fetch and display dynamic weather data, including temperature, humidity, wind speed, and weather conditions.
- Deployed the application using Netlify for public access.

EDUCATION

Don Bosco Institute of Technology Bengaluru
B. Tech in Electronics and Communication Engineering *Expected 2025*

Narayana PU College Bengaluru
PUC *2019 – 2021*

CERTIFICATIONS

Python Course for beginners with certificate: Mastering the essentials 01/2024 - 01/2024
This is a Python tutorial which was taken on Scaler platform

Alchemyst Full Stack Web Developer Program at Skill Safari 01/2023 - 07/2023