Yalavarthi Venkata Sai Deepak

Chennai | +91 8778307453 | yvsdeepak@gmail.com | LinkedIn | GitHub | LeetCode | Portfolio

Education

S R M Institute of Science and Technology   2022 – 2026
B.Tech in Computer Science and Engineering   9.815/10.0 | Marksheets

K R M Public School   2021 – 2022
Higher Secondary Certificate   85.2% | Marksheet

K R M Public School   2019 – 2020
Secondary School Certificate   77.7% | Marksheet

Patent

Accurate sensing method for alcohol consumption detection in cars   May 2023
Application no : 202341032600   CBR | GitHub

Developed a system using MQ3 sensors and OBD data to accurately detect alcohol consumption and intoxicated driving patterns, which then transmits alerts and data via GSM for insurance actions and parental control—ensuring precise, real-time monitoring and response.

Projects

CareerSync   GitHub

- CareerSync is a streamlined web-based job portal that connects job seekers and employers through secure registration, job posting, application tracking, and notification features, making the hiring process more efficient and user-friendly.
- Tools Used: SvelteKit, Typescript, Tailwind CSS, Shadcn, Firebase

Stock Price Prediction   GitHub

- Built a machine learning model to predict stock prices using historical data, where moving averages and MinMax scaling were applied before training a Bidirectional LSTM that captures both past and future trends, with performance evaluated using error metrics and visualized against actual values.
- Tools Used: Python, Jupyter Notebook, Pandas, Numpy, Scikit-learn, keras

FinaTips   GitHub

- Developed a web application that provides personalized financial advice by analyzing user inputs to generate tailored budgeting tips, featuring an interactive and responsive interface for a seamless and user-friendly experience.
- Tools Used: HTML, CSS, Javascript

QR-Textualize   GitHub

- QR Textualize is a Java Swing application that allows users to generate QR codes from text and decode QR codes back into text, offering a fast, offline solution for seamless data sharing and retrieval through a clean and intuitive interface.
- Tools Used: Java, JavaSwing, Zxing, Mysql

Technical Skills

Python | Javascript | TypeScript | SvelteKit | C | Java | HTML | CSS | Shadcn | Firebase | MySQL | Bootstrap

Certifications

- Introduction to Edge Computing (NPTEL) : Silver Badge   Certificate
- Fundamental Algorithms: Design and Analysis (NPTEL)   Certificate
- Introduction To Operating Systems (NPTEL) : Top 5%   Certificate
- Programming, Data Structures And Algorithms Using Python (NPTEL)   Certificate
- Demystifying Networking (NPTEL)   Certificate
- Introduction to Machine Learning(NPTEL)   Certificate

Soft Skills

Problem Solving | Critical Thinking | Teamwork | Communication | Organised | Adaptability | Attention to detail