

RB YOGESHWAR

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EXPERIENCE

- Final-year B.Tech Computer Science student at SRM IST, Ramapuram with strong proficiency in Python, Machine Learning, and database management. Experienced in building data-driven applications and predictive models using tools like Pandas, Scikit-learn, and SQL. Passionate about solving real-world problems through clean code, efficient systems, and scalable solutions.

PROJECT

Water Quality Prediction Model - ML/Python

- Preprocessed datasets sourced from relevant water quality records and conducted feature engineering to enhance the accuracy of predictions through thorough data cleansing and transformation using Pandas and Scikit-learn.
- Engineered and validated multiple machine learning algorithms to forecast water quality parameters, optimizing model performance through cross-validation and hyperparameter tuning in Python environments.

GPS Tracking System - Python

- Integrated live GPS data streams into a scalable backend architecture, enabling real-time location tracking and route optimization while ensuring data accuracy and system reliability using Python-based solutions.
- Engineered a modular GPS tracking system in Python that automated data ingestion, leveraged robust error handling to maintain continuous uptime, and supported seamless scalability for expanding device networks.

Wireless Mobile Charger

- Engineered a wireless mobile charging solution that enhanced device compatibility, minimized energy loss during power transfer, and streamlined user experience through intuitive design.

EDUCATION

B.Tech - Computer Science and Engineering

SRM - INSTITUTE OF SCIENCE AND TECHNOLOGY • Ramapuram, Chennai • 2022 - 2026

High School

VELAMMAL VIDHYASHRAM - CBSE • Surapet, Chennai • 2022

CERTIFICATIONS

AI Vector Search Professional(Oracle)

MongoDB certification for students

Infosys Springboard

- Software Engineering and Agile Development.

COURSEWORK

Completed hands-on exercises on database integration (MySQL/PostgreSQL), REST APIs

Udemy Business • 2025

Python MasterClass

Udemy • 2024

SKILLS

POWER BI & VISUALIZATION TOOLS: QlikView, Power BI (basic)

PROGRAMMING: Java, Python, SQL
