Vijesh T

vijeshthamodharan@gmail.com +91 6383984328 LinkedIn GitHub LeetCode Portfolio

PROFESSIONAL SUMMARY

Motivated IT undergraduate from Anna University with strong DSA skills and a passion for solving real-world problems through innovative tech solutions. Adaptable and deeply interested in emerging technologies.

EDUCATION

Madras Institute of Technology, Anna University **2023-Present**
B. Tech Information Technology Chennai, Tamil Nadu, India
CGPA: ***8.94*** *(Relative Grading) (As of 3 semesters)*

Hebron Matriculation Higher Secondary School **2021-2023**
HSC (STATEBOARD) - **97.5%** Nagercoil, Tamil Nadu, India

SKILLS

Technical Skills: *Database Management System, Object Oriented Programming, Data Structures and Algorithms*
Programming Languages: *C, C++, Python, SQL*
Technologies/Frameworks: *HTML, CSS, JavaScript, ReactJS, Bootstrap*
Databases/Utilities: *Oracle, MongoDB, MS Excel*
Soft Skills: *Communication, Strategy Formulation, Teamwork, Leadership*

PROJECTS

Tourist Booking Hub [LINK]

- Designed a responsive Tourist Booking Website frontend with HTML, CSS, and Bootstrap, featuring interactive search and listings for Stays, Flights, and Attractions.
- **Technologies involved:** HTML, CSS, JavaScript, Bootstrap

Student Record Management System [LINK]

- Developed a Student Record Management System using ReactJS and Bootstrap to manage student data with add, update, and delete functionalities.
- **Technologies involved:** ReactJS, Bootstrap, JavaScript

Adaptive Traffic Routing System [LINK]

- Developed an Adaptive Traffic Routing System using Dijkstra's shortest path algorithm to determine the optimal route between cities based on real-time distance inputs.
- **Technologies involved:** C++, Dijkstra's Algorithm

DSA Learning Path Optimizer [LINK]

- Developed a Learning Path Optimizer for DSA Topics using Splay Tree and AVL Tree data structures to recommend an efficient study sequence based on access frequency and topic dependencies.
- **Technologies involved:** C++, AVL Tree, Splay Tree

Emergency Patient Queue System [LINK]

- Designed and implemented an Emergency Patient Queue System using Leftist Heap to manage patient priorities in real time.
- **Technologies involved:** C++, Leftist Heap

RTO Database System [LINK]

- Designed an Entity-Relationship Diagram (ERD) for an RTO (Regional Transport Office) Management System to structure vehicle registration, ownership transfers, fine management, and employee operations.
- **Technologies involved:** Database design, ERD Modeling

ACHIEVEMENTS AND CERTIFICATES

- Excel and Copilot Fundamentals - Microsoft (Coursera) **June 2025** [LINK]
- Artificial Intelligence Primer Certification - Infosys Springboard **May 2025** [LINK]
- Secured Top 1% in Python for Data Science – NPTEL **April 2025** [LINK]
- Secured Top 1% in Introduction to Machine Learning - NPTEL **October 2024** [LINK]

ACTIVITY/ROLE

- Placement Representative **January 2025-Present**