Vijesh T

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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*
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

DocuGPT   [LINK]

- Built an AI–powered PDF assistant that answers user queries from uploaded documents using semantic search and a Flan–T5 model.
- **Technologies involved:** Python, Streamlit, LangChain, Hugging Face

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**