

Karthick Raja P

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Summary

I am a dedicated learner striving to expand my knowledge. I excel as a team player and Leader, Armed with strong analytical skills and quick learning capabilities.

Education

Seventh-Day Adventist Matriculation Higher Secondary School , Madurai, TamilNadu.

Thiagarajar Model Higher Secondary School, Madurai, TamilNadu.

- **HSC – 94.17 %**

B.Tech Artificial Intelligence and Data Science

Madras Institute of Technology-Anna University, Chennai.

CGPA: 8.24/10

Skills

Technical Skills: Java, C++, Python, SQL, Data Structures and Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems, R.

Tools and Technologies: Git, GitHub, Hibernate ORM, Maven.

Projects

[Train Reservation System](#) [*Java / Java Swing / JDBC / Oracle DB*]

- Designed and developed a desktop-based **Train Management System** using **Java Swing** for GUI and **JDBC** for database connectivity with **Oracle DB**.
- Implemented key features such as **user registration, login, train ticket booking, and cancellation**, with real-time data updates.
- Utilized **Oracle Database** for managing users, train schedules, and bookings, ensuring data integrity and persistence.
- Applied **OOP principles** and event-driven programming to create a modular, user-friendly, and maintainable application.

Chennai Shortest Path Finder [*Python / Git*]

- Designed and implemented **Dijkstra's algorithm** to compute the **shortest path** between locations in Chennai.
- Utilized Python's **heapq** for **optimized priority queue operations**, reducing computation time by **30%**.
- Visualized results using **Matplotlib**, demonstrating problem-solving capabilities in real-world scenarios.

Certifications

- [IBM FUNDAMENTALS OF AI](#)
- [IBM DATA VISUALIZATION WITH R](#)

Soft Skills

- **CONSISTENCY • LEADERSHIP • TIME MANAGEMENT • PEER MANAGEMENT.**