

JAYAKUMAR T

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PROFILE SUMMARY

Enthusiastic Information Technology developer with a strong background in software development and data analysis. Skilled in Python, Java, and SQL, I focus on solving complex problems with effective solutions. With good communication skills and a team-oriented mindset, I strive to contribute positively to technology projects.

EDUCATION

Panimalar Engineering College Chennai City Campus, Chennai, India

B.TECH Information Technology

GPA: 8.74

June 2022 - Present

Annai Sarada Matric Hr. Sec School, Ranipet, India

HSC

GRADE : 81.5

June 2021 - MAY 2022

SSLC

GRADE : 97

JUNE 2019 - APRIL 2020

SKILLS SUMMARY

- **Languages:** C, Python, Java, JavaScript, PHP, SQL
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib
- **Tools:** Excel, PowerPoint, MySQL, SQLite
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
- **Soft Skills:** People Management, Excellent Communication

PROJECTS

Creating Connected Classroom

April 2024 - June 2024

- The Chat feature that allows students to pass questions receive answers, input from teacher.
- Brainstorming sessions to prepare a list of specifications to design chat sessions.
- Created a Web Application Using HTML and CSS (for user interface), JAVASCRIPT (for validation of the user inputs), PHP (connecting frontend to backend database), MYSQL (to store the data into the database).

Heart Disease Prediction

March 2024 - April 2024

- Implemented logistic regression, decision tree, and random forest algorithms to predict heart disease with an accuracy of 85%.
- Applied feature engineering techniques and rigorous cross-validation to address overfitting and improve performance.
- Ensured compliance with HIPAA-compliant data-handling practices and secured sensitive medical data.

AirLine Management

September 2023 - October 2023

- The Airport Management app in Java uses AWT to provide a graphical interface for users to input takeoff and shelter times of flights.
- It calculates the optimal runway based on these times, ensuring efficient scheduling and runway utilization.
- It stores the data in the Database using MYSQL. The app features labels, text fields, and buttons for user interaction, along with event handling for seamless operation. Additionally, it includes exit functionality for proper termination of the application.

CERTIFICATIONS

NPTEL - Data Base Management System

September 2024

Elite Certification in Database Management Systems (NPTEL) from IIT Kharagpur. The course covered SQL and Query Optimization for data manipulation and Normalization and Database Design to reduce redundancy.

Oracle Cloud Infrastructure 2024 Generative AI

August 2024

Acquired expertise in generative AI technologies, cloud infrastructure management, and application deployment strategies, enhancing skills for modern cloud solutions.

Cyber Security Analysis and Design

July 2024

Certification in Cyber Security Analysis and Design (NASSCOM) with a score of 75