DHARSHAN H

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EDUCATION

St Joseph's College of Engineering   Chennai, India
Bachelor of Technology in Artificial Intelligence and Data Science; CGPA: 8.11   **Nov 2022 - May 2026 (Expected)**

Sree Gokulam Public School   Chennai, India
HSC – 79.6%   **April 2020 - May 2022**

SKILLS SUMMARY

- **Languages**:   Python, SQL, Java, JavaScript
- **Frameworks**:   Pandas, Scikit-Learn, Matplotlib, Spring Boot
- **Additional Skills**:   Machine Learning, Deep Learning.

EXPERIENCE

iNeuron
Data Science Intern   **Nov 2023 - Jan 2024**
- Developed a supermarket sales prediction model using the Random Forest algorithm on a Kaggle dataset.
- Demonstrated proficiency in machine learning techniques and advanced data analysis during the project.
- Showcased practical skills in predictive modeling as part of an internship, delivering accurate sales forecasts

Big Bugs:
Weather App Using React and Spring Boot   **Mar 2025 - Apr 2025**
- Developed a web application to display **real-time weather data** using the **OpenWeatherMap API**
- Built a full-stack weather app with React frontend and Spring Boot backend, allowing users to create accounts, log in securely with the help of **Jwt** and fetch real-time weather data for any city weather data based on user-input city names.
- Persisted user credentials securely in a relational database using Spring Data JPA.

PROJECTS

Predictive crime analysis   **Mar 2024 - Jun 2024**
- Developed a behavioral prediction system using **Random Forest** to assess reoffending risk, supporting proactive policing.
- Employed **ARIMA** for crime forecasting to help law enforcement anticipate trends and allocate resources efficiently.
- Applied **K-means clustering** to create optimized police deployment plans, enhancing patrol efficiency and ensuring strategic coverage of critical zones, thereby reducing response times.

Todo App using React   **Apr 2025 - May 2025**
- Developed a responsive To-Do application using **React.js** with functional components and hooks (useState, useEffect) for dynamic UI updates.
- Integrated OAuth authentication using Spring Security, enabling secure third-party login (e.g., Google,GitHub).and implemented **JWT (Json Web Token)** based authentication for secure communication.
- Connected the application to a **relational database** for persistent data storage using Spring Data JPA

CERTIFICATES

- **HTML, PrepInsta**
- **SQL, PrepInsta**
- **JavaScript, PrepInsta**
- **Linear Algebra & Differential Mathematics, Coursera**
- **Machine learning Specialization, Coursera**

ACHIEVEMENTS

- Finalist in Karnataka Police Datathon 2024 (Top 0.5% of 6000+ teams): Developed an AI-powered crime analysis system that optimized law enforcement strategies using data-driven insights.