Aishwarya A

Github   *Linkedin*   *Leetcode*   *Credly Badges*

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EDUCATION

- **B.Tech, Artificial Intelligence And Data Science**: *Shiv Nadar University, Chennai*   August 2023 - August 2027
CGPA: 9.09 (Semester I to Semester IV)

- **School Education**: *Treamis World School, Bangalore*   June 2019 - May 2023
Senior School Certificate Examination: 96% (School Topper)

PROJECTS

- **Recipe Book Web Application**: *React, CSS*   July 2025 - August 2025
A recipe management web app implementing basic CRUD operations.
  - Built features to add, update, and delete recipes with data stored in a JSON file as backend.
  - Implemented Favorites section using React state management for quick access to preferred recipes.
  - Utilized React Router for navigation and React hooks useState, useEffect for dynamic UI updates.
  - Future Scope: Integrate user authentication and connect with a real backend/database for personalized recipe management.

- **Rock Paper Scissors Game**: *Flask, HTML, CSS, JavaScript, OpenCV*   June 2025
A webcam-based interactive Rock-Paper-Scissors game with real-time hand gesture recognition.
  - Implemented gesture detection using OpenCV and a custom hand landmark model.
  - Used Flask as the backend to process frames and decide game results.

- **Market Basket Analysis**: *Python, MLxtend, Pandas*   May 2025 - June 2025
Performed association rule mining on retail transaction data.
  - Extracted item-level transaction data from my own previous online grocery orders.
  - Used Apriori algorithm to find frequent itemsets and generate association rules for product bundling insights.

- **Spotify Music Recommender**: *Python, Pandas, Scikit-learn, HTML, CSS, JavaScript*   May 2025 - June 2025
A content-based music recommender system using Spotify song features.
  - Extracted and cleaned song data to create a similarity matrix.
  - Built an interactive UI to suggest songs based on user input.

- **Clinic Management System**: *HTML, CSS, JavaScript, Firebase*   June 2024 - August 2024
A web-based system for managing patient records, billing, and appointments.
  - Developed dashboards for receptionists and doctors to handle patient interactions.
  - Integrated Firebase Authentication and Firestore for secure and real-time data storage.
  - Future Scope: Deploy on a larger scale for real-world use in an actual clinic.

TECHNICAL STACK

- **Programming Languages**: Python, SQL, C, Java

- **Artificial Intelligence and Data Science**: Machine Learning, Data Analysis, Data Visualization, Artificial Intelligence

- **Mathematics and Algorithms**: Discrete Mathematics, Linear Algebra, Statistics, Data Structures and Algorithms, Object-Oriented Programming (OOP)

- **Web Technologies**: HTML, CSS, JavaScript, Flask, Firebase, React, Node, Express, React-Native

- **Databases**: Database Management System, Firestore, MySQL, MongoDB

CERTIFICATIONS AND COURSES

- **IBM AI Developer Professional Certificate**: IBM   October 2024 - January 2025

- **GenAI Study Jams**: Google Developer Groups   October 2024 - November 2024

- **Web Development**: Unified Mentor Private Limited   June 2024 - August 2024

- **Google AI Essentials**: Google   June 2024