MADHAVAN N

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Coimbatore

SUMMARY

Motivated B.Tech Artificial Intelligence and Data Science student with expertise in Java, C++, Python, React, and Spring Boot. Experienced in full-stack development, machine learning modeling, cloud technologies (AWS), and Docker. Strong experience with DSA problem solving and developing scalable, real-world applications. Seeking an internship to get technical experience, learn advanced development methods, and advance as a software engineer.

EDUCATION

B.Tech – Artificial Intelligence & Data Science | 2023 – 2027

Sri Krishna College of Engineering and Technology, Coimbatore

CGPA : 8.21

PROJECT

Wardrobe Decoder
Developed a full-stack wardrobe recommendation app using Spring Boot and React, featuring a custom algorithm that generates five personalized outfit combinations based on user inputs like gender, skin tone, and occasion. Designed clean RESTful APIs with DTO-based request handling and a scalable structure ready for future database integration.

Train Booking App
Built a Java-based train booking console application with features like user login, seat booking, fare calculation, and real-time availability management. Implemented modular classes for passengers, trains, and transactions, ensuring clean logic flow and easy scalability for adding new routes or features.

Twitter Sentiment Analysis
Built a Twitter Sentiment Analysis system using Python and NLTK's VADER to classify tweets and visualize sentiment trends. Performed text preprocessing, sentiment scoring, and created clear visual charts to highlight overall polarity and key patterns in public opinion

AI Resume Analyzer
Developing an AI-powered Resume Analyzer that extracts key details using NLP, evaluates skills and experience match, and generates improvement suggestions. Implementing text parsing, keyword scoring, and structured output to help users assess resume strength quickly and accurately.

CERTIFICATIONS

Associate in IT Foundation Skills (Java) - Infosys

Azure Fundamentals - Microsoft

Supervised Machine Learning: Regression and Classification - Stanford online

Software Engineering and Agile software development - Infosys

Artificial Intelligence Foundation - Infosys

SKILLS

Languages: Java, C++, Python

Full-Stack Development: React.js, Spring Boot

Databases: MySQL

Cloud : AWS, Docker, Firebase

Tools: GitHub, Postman, VS Code, Eclipse