MADHAVAN N

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Coimbatore

SUMMARY

B.Tech Artificial Intelligence and Data Science student with strong foundations in Data Structures, Algorithms, and Object-Oriented Programming. Experienced in building scalable Java and Spring Boot applications, RESTful APIs, and full-stack systems using React. Hands-on experience with cloud technologies (AWS), Docker, and database-driven applications. Solved 250+ DSA problems and passionate about designing efficient, reliable software systems. Seeking a Software Engineering Internship to build and contribute to real-world engineering challenges.

EDUCATION

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

Sri Krishna College of Engineering and Technology, Coimbatore

CGPA : 8.21

PROJECT

W**ardrobe Decoder | Spring Boot, React**

- Designed and developed a full-stack wardrobe recommendation system using Spring Boot and React.
- Implemented a custom recommendation algorithm generating five personalized outfit combinations based on user inputs such as gender, skin tone, and occasion.
- Built RESTful APIs with DTO-based request handling, following clean architecture principles and ensuring scalability for future database integration.

Train Booking App | Java

- Developed a Java-based train booking system supporting user authentication, seat booking, fare calculation, and real-time seat availability.
- Applied Object-Oriented Programming (OOP) principles by designing modular classes for passengers, trains, and transactions.
- Ensured clean logic flow and extensibility, enabling easy addition of new routes and booking features.

AI Resume Analyzer | NLP

- Developing an AI-powered resume analysis tool to extract key information using Natural Language Processing (NLP).
- Implemented keyword matching and scoring mechanisms to evaluate skill and experience alignment with job roles.
- Generated structured feedback and improvement suggestions to help users assess resume strength efficiently.

Twitter Sentiment Analysis | Python, NLTK

- Built a sentiment analysis system using Python and NLTK (VADER) to classify tweets as positive, negative, or neutral.
- Performed text preprocessing, sentiment scoring, and data visualization to identify overall sentiment trends.
- Generated clear visual insights highlighting public opinion patterns from unstructured text data.

CERTIFICATIONS

Associate in IT Foundation Skills (Java) - Infosys

Azure Fundamentals - Microsoft

Artificial Intelligence Foundation - Infosys

Supervised Machine Learning: Regression and Classification - Stanford online

Software Engineering and Agile software development - Infosys

SKILLS

Languages: Java, C++, Python

Frameworks: React.js, Spring Boot

Databases: MySQL

Cloud & DevOps: AWS, Docker, Firebase

Operating Systems & Networking: Linux (Ubuntu), Computer Networking (Basics)

Tools: GitHub, Postman, VS Code, Eclipse, VMware