

VARSHINI D

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Professional Summary

Motivated undergraduate and aspiring Software Developer passionate about building dynamic full-stack web applications. Skilled in Java, Spring Boot, and front-end development, with hands-on experience delivering end-to-end solutions. Strong team player with problem-solving skills and a drive to deliver high-quality software.

Education

Velammal Institute of Technology

Chennai, Tamil Nadu

Bachelor of Technology in Artificial Intelligence and Data Science – CGPA: 8.64 / 10 (Up to 6th Semester)

2022 - 2026

Projects

Study Chatbot – Spring Boot, HTML, CSS, JavaScript

[GitHub](#)

- Developed a study-focused chatbot that answers questions strictly from uploaded files, functioning like a **RAG (Retrieval-Augmented Generation) system** by retrieving relevant content to generate responses.
- Managed off-topic messages with predefined responses like “Let’s study” to maintain focus and enhance user experience.
- Built a **RESTful backend** returning JSON responses from the **Gemini API**, integrated with a responsive HTML, CSS, and JavaScript frontend.

Cookie Shop – E-Commerce Web App – Java, Servlet, JSP, MVC, MySQL, JavaMail, HTML, CSS, JavaScript

[GitHub](#)

- Designed and developed a **role-based e-commerce platform** with separate admin and customer workflows.
- Implemented secure OTP-based signup and password recovery using **JavaMail API** to enhance account safety.
- Applied **MVC architecture with DAO pattern** to ensure modular and maintainable backend code.
- Enhanced user experience through JavaScript-based form validation and interactive UI elements.

Notes Web App with Mood Detection – Java, JSP, Servlet, JDBC, MySQL, HTML, CSS

[GitHub](#)

- Built a secure notes web app with **session-based login** and authentication.
- Implemented dynamic mood-based color coding using **keyword detection** for enhanced UX.

Place Recommendation System – Python, NLP, TF-IDF, Cosine Similarity

[GitHub](#)

- Developed a content-based recommendation engine to suggest similar places from user descriptions.
- Used **TF-IDF vectorization** and **cosine similarity** to perform accurate text matching and ranking.

Internship Experience

Web Development Intern – Inetz Technologies – Aug 2024 (1 Month)

- Built responsive front-end components using **HTML, CSS**, and basic **JavaScript**.
- Collaborated with mentors to apply layout design principles such as spacing, alignment, and color balance.
- Implemented mobile-friendly layouts.

Certifications

Data Analytics Workshop – IIT Madras – 12 April 2025

- Participated in hands-on workshop on data analytics, including data cleaning, visualization.

AWS Academy Cloud Foundations – 11 July 2024

- Completed foundational cloud computing course covering core AWS services and cloud concepts.

Business English Certificate (BEC) – 24 March 2023

- Score of **156/170**, corresponding to **CEFR Level B1**.

Skills

Programming Languages: Java, Python

Web Technologies: HTML, CSS, JavaScript, React

Tools & Frameworks: Java Servlets, Spring Boot, MySQL

Soft Skills: Eagerness to Learn, Adaptability, Communication