SAHANA N

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Technical Summary

Full Stack Developer

- Skilled in building responsive, user-friendly interfaces using **HTML, CSS, Bootstrap,** and **JavaScript**, with a strong emphasis on clean UI/UX design.
- Backend Expertise: Proficient in **Core Java**, including OOP concepts, exception handling, collections, and multithreading. Experienced in **database connectivity** using JDBC, performing **CRUD** operations, and handling server-side logic with **Servlets**, including request–response handling, session management, and form validation.
- Developed applications using **Spring MVC,** implementing controller-service-**DAO layers**, model binding, and MVC architecture for scalability and maintainability. Proficient with **Git & GitHub** for version control.

Skills

Language
Java
Data types,Variables, Constructor, Arrays, OOP's, Wrapper Class,Collections, ExceptionHandling

JavaScript
JS: ES6+, Async/Await, Promises, Arrow/Anonymous Functions, DOM, Events, Closures, OOP,, Form Validation,

Web Technologies
HTML
CSS
Bootstrap

FrameWorks
Servlets (Request/Response, Sessions, Cookies)
Spring (IOC, Depen- dency Injection, Annotations)

Database
MySQL (DDL, DML, Joins, Subqueries), JDBC (CRUD Operations, Prepared Statements)

Tools
VS Code, IntelliJ IDEA, MySQL Workbench, Git/ GitHub

Education

B.E. in Engineering,
Sri Siddhartha Institute of Technology
2021 – 2025
CGPA: 8.81/10

Professional Experience

Web Development Intern, Internz Learn

- Developed responsive and user-friendly websites using HTML, CSS, JavaScript, and SQL, ensuring seamless cross-device functionality.
- Built interactive web pages with dynamic features using JavaScript, enhancing user engagement and usability.
- Designed modern, clean interfaces with HTML, CSS, and responsive layouts, improving visual appeal and navigation.
- Implemented SQL database solutions for efficient data storage, retrieval, and management, supporting website functionality.

Full Stack Developer

- Designed and developed end-to-end Java web applications using Servlets and MVC architecture.
- Created responsive UI using HTML, CSS, Bootstrap, and JavaScript.
- Integrated MySQL using JDBC for secure CRUD operations.Applied industry-standard coding practices and Git-based workflows for collaborative development.

Projects

Epileptic Seizure Detection Using Machine Learning

- Developed a Flask-based web application to detect epileptic seizures from EEG data.
- Implemented a Random Forest classifier for seizure prediction.
- Built user modules for EEG upload, results display, doctor consultation, and appointments.
- Used Pandas for data preprocessing and SQLite for database management.
- **Technologies:** Python, Flask, Random Forest, Pandas, SQLite, HTML, CSS

Screen Time Analysis Using Python

- Created a Python application to analyze daily and weekly screen time usage.
- Cleaned and processed datasets using Pandas to handle real-world data.
- Generated visual insights using Matplotlib and Seaborn.
- Identified overuse patterns, peak usage hours, and app-wise usage statistics.
- **Technologies:** Python, Pandas, Matplotlib, Data Visualization, Statistical Analysis

Certifications

Web Development — Internz Learn
Tools: HTML, CSS, JavaScript, Bootstrap, Git/GitHub, MySQL

Languages

- English
- Kannada
- Telugu