ASWIN S

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Summary

Innovative software developer skilled in Java, Spring Boot and React, with hands-on experience crafting user-centric web and backend solutions. Known for tackling tough engineering challenges, driving projects from concept to delivery, and adapting quickly to new technologies. Eager to contribute fresh ideas and technical excellence to a collaborative team building tomorrow's digital products.

Experience

Web Development Intern (June 2025 – September 2025)   **Wingroo Technologies**– Coimbatore, TamilNadu

- Contributed to the development of **"Virtue Hire,"** a full-stack recruitment platform, utilizing **Spring Boot** for backend services and **React.js** for the frontend.
- Developed and integrated **RESTful APIs** to handle core functionalities such as candidate profile management, job posting, and application tracking.
- Collaborated in an Agile team to troubleshoot, debug, and enhance application features, improving system performance and reliability.

Projects

WinTech Course Registration & Student Management System

- Developed full-stack application using Spring Boot backend and React.js frontend, deployed on Render and Vercel respectively
- Engineered RESTful APIs for course management, student registration, and enrollment tracking
- Built responsive UI with dynamic forms, React Router navigation, and real-time data synchronization
- Designed MySQL database schema using Spring Data JPA for optimized data management

Appu's Aquarium − Website Design

- Designed and developed a responsive brand website using React, JavaScript (ES6+), and CSS3/Tailwind CSS, implementing a mobile-first design with reusable components, client-side routing, and smooth animations for an optimal cross-device user experience.

Viral Genome Classifier

- Developed hybrid LSTM-Transformer model (RRCNN) achieving 89% accuracy in classifying viral genomes (MERS, SARS, COVID-19, Ebola, Dengue) by capturing both sequential and global genetic patterns
- Addressed class imbalance using SMOTEN oversampling to enhance model fairness and robustness in multiclass viral sequence classification

Education

Panimalar Institute of Technology   November 2021 -June 2025
B.Tech in Artificial Intelligence and Data Science - Chennai, TamilNadu
- Cumulative GPA: 8.4/10
- **Thesis**: Decentralizing AI Computing: A Study with IPFS and Public Peer-to-Peer

Christ The King Matric Higher Secondary School, HSE− Kumbakonam   June 2020 – May 2021
- Percentage: 89.2

Technical Skills

- **Programming Languages:** Java, JavaScript, Python
- **Front-End:** HTML5, React.js, CSS3, Tailwind CSS , Responsive Design
- **Back-End:** Spring Boot, REST APIs, Postman
- **Version Control:** Git, GitHub
- **Database:** MySQL
- **Data Analysis & Visualization:** Power BI, Excel

Certifications

- Java Cloud Architect − Indra Institute of Education, Coimbatore
- Python for Engineers − CodeBasics