

# Aswin S

[sundarajuaswintdr@gmail.com](mailto:sundarajuaswintdr@gmail.com) | +91 8940409409 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## SUMMARY

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Software Developer skilled in Java, Spring Boot, and React, passionate about building robust, user-centric solutions.

## TECHNICAL SKILLS

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**Programming Languages:** Java (Core, OOP, Collection Framework), 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

## EXPERIENCE

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**Wingroo Technologies** June 2025 – September 2025  
*Web Development Intern* Coimbatore, Tamil Nadu

- 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

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**WinTech Course Registration & Student Management System** | *Java, Spring Boot, React*

- 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** | *React, Tailwind CSS*

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

**Viral Genome Classifier** | *Python, Deep Learning*

- 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

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**Panimalar Institute of Technology** Chennai, Tamil Nadu  
*B.Tech in Artificial Intelligence and Data Science* Cumulative GPA: 8.4/10  
**Thesis:** Decentralizing AI Computing: A Study with IPFS and Public Peer-to-Peer  
**Relevant Coursework:** Data Structures, Web Development, DBMS

**Christ The King Matric Higher Secondary School, HSE** Kumbakonam  
*Percentage: 89.2*

## CERTIFICATIONS

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**Java Cloud Architect**  
**Python for Engineers**