

SUMMARY

- I am a 2024 graduate aspiring to be a software engineer. Enthusiastic about mastering Java and Spring frameworks, with intermediate knowledge and hands-on experience. Known for my collaboration, problem-solving, and strong communication skills.

EDUCATION

Degree	Specialization	Institute	Year	CGPA
B.Tech	Computer Science & Engineering	Velammal Institute of Technology	2024	8.82
HSC BIEAP	Physics, Chemistry, & Mathematics	Narayana Jr College	2020	9.73
SSC BSEAP	-	Ravindra Bharathi	2018	9.70

TECHNICAL SKILLS

- Frontend:** HTML, CSS, JavaScript, jQuery
- Backend:** Java, Spring Boot, SQL
- Databases:** MySQL
- Tools & IDEs:** VS Code, IntelliJ IDEA, Postman, Maven
- Others:** JSON, AJAX

PROJECTS

- MedSync – Healthcare Management System** Nov 2024 – Apr 2025
 - Developed a modular, secure backend using **Java 17+ and Spring Boot**, featuring **JWT-based authentication, role-based access control**, and layered service architecture for maintainability.
 - Integrated features like staff registration, login, password reset, and **Swagger-based API documentation**, leveraging **Spring Security**, DTO mapping, and an **H2 in-memory database** for testing.
- Adaptive Solar Power Prediction System Using Scikit-learn** Jan 2024 – May 2024
 - Engineered a predictive framework using **Scikit-learn**, combining real-time inputs such as temperature, humidity, wind direction, and pressure via locally interfaced environmental sensors.
 - Enabled improved **site selection and risk management** for solar installations by replacing static models with adaptive machine learning methods tailored to real-world variables.
- VoiceGPT Assistant – Prompt-Engineered Voice Bot** Apr 2023 – Jun 2023
 - Built a **Java-based** voice assistant using **OpenAI's GPT-3** with advanced **prompt engineering** to generate accurate and context-aware responses from unstructured voice inputs in real time.
 - Integrated **Google Speech API** and **FreeTTS** for seamless two-way voice interaction, reducing latency by **40%** and achieving **sub-2 second** average response times in low-resource settings.

POSITIONS OF RESPONSIBILITY

- Cricket Event Coordinator** Feb 2024
 - Led coordination** of a cricket tournament with **14 teams** and **150+ attendees**, improving participation by **40%** over the previous year and demonstrating **strong leadership** and **time management**.
 - Led a **team of 5** to oversee **event execution**, including **venue setup, timekeeping, and dispute resolution**, ensuring a smooth and engaging experience for all participants.

EXTRACURRICULAR ACTIVITIES

- Actively participated in the **National Service Scheme (NSS)**, contributing to various **community outreach programs** such as **blood donation camps, cleanliness drives, and tree plantation initiatives**.
- Represented **Yellow House** in annual **intra-college sports competitions**. Contributed to the team's success by helping secure **victory in cricket**, showcasing **teamwork, strategic play, and sportsmanship**.

CERTIFICATES

- Java Programming – Frontlines EduTech
- SQL – HackerRank