

Nagalakshmi Arevarapu

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PROFILE SUMMARY

- Recent Computer Science and Engineering graduate with solid skills in Core Java, Java 8, JDBC, Spring Boot, Microservices, and RESTful API development.
- Hands-on experience working with SQL databases, building microservices, and developing responsive web applications using HTML5, CSS3, and JavaScript through internships and academic projects.
- Proficient with industry-standard tools including IntelliJ IDEA, Visual Studio Code, Git, GitHub, Maven, and Postman for Java Full Stack Development.
- Quick learner with strong analytical thinking, debugging, and problem-solving skills, and a keen focus on writing clean, maintainable code.
- Committed to applying my skills, adapting to new technologies, and collaborating effectively with a talented team.
- Goal-oriented to contribute to innovative projects, deliver quality results, and grow as a skilled and reliable software professional while adding value to the organization.

TECHNICAL SKILLS

Programming Languages : Core Java,, Java 8, JavaScript

Frameworks : Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Microservices, JDBC

Frontend Development : HTML, CSS

Database Technologies : MySQL

Tools & IDEs : IntelliJ IDEA, Eclipse, Visual Studio Code, Maven, Git, GitHub, Postman

Version Control & Build Tools : Git, GitHub, Maven

Methodologies : Software Development Life Cycle (SDLC)

EDUCATION

Bachelor of Technology - Computer Science and Engineering **2021-2024**

Godavari Institution of Engineering and Technology, Rajahmundry (CGPA: 8.03)

Diploma - Computer Science and Engineering **2018-2021**

A.A.N.M And V.V.R.S.R Polytechnic College, Gudlavalleru (CGPA: 7.55)

X - Secondary School Certificate(SSC) **2017-2018**

A.P Residencial School, MUSUNURU (Points: 8.7)

PROJECT

PLANTRX: Harnessing Technology for Medicinal Plant Identification :-

- Developed a real-time system to identify medicinal herbs using an improved CNN (Convolutional Neural Network).
- Solved problems of traditional methods by making plant recognition faster and more accurate.
- Designed and built the backend using Core Java, Spring Boot, JDBC, and RESTful APIs for data processing and model connection.
- Managed data flow between the CNN model and the user interface using backend best practices.
- Improved performance and accuracy compared to traditional methods.

Roles & Responsibilities :

- Designed and developed backend services and APIs using Spring Boot, JDBC, and RESTful web services.
- Integrated the CNN model with backend modules for real-time image recognition.
- Handled database operations and ensured secure data connectivity.
- Managed data processing, model integration, and REST API endpoints.
- Ensured secure and efficient data flow between backend and frontend.
- Used tools like IntelliJ IDEA, Postman, Git, and GitHub to build and test backend components.

INTERNSHIPS

- Completed a Java Full Stack Development Internship at TECHWING, gaining practical exposure to Core Java, Java 8, Spring Boot, JDBC, RESTful APIs, and front-end technologies like HTML, CSS, and JavaScript.
- Completed a Long-Term Java Full Stack Internship with KODNEST India Pvt Ltd, organized in collaboration with the Andhra Pradesh State Council of Higher Education, focused on backend development, API design, database operations, and full stack project implementation.