

MEGHA V M

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PROFILE

Dedicated Computer Science Graduate passionate about crafting efficient and innovative software solutions. Proficient in Java, with strong fundamentals in data structures, algorithms, and object-oriented design methodologies. Looking to join a dynamic software team where I can contribute to the development of the organization and enhance my skills in a supportive environment.

EDUCATION

B Tech Computer Science and Engineering	2024
<i>APJ Abdul Kalam Technological University</i>	75.4
Diploma in Computer Engineering	2021
<i>State Board of Technical Education</i>	92.3
Higher Secondary Education	2019
<i>State Board of Higher Secondary Education</i>	79.4

EXPERIENCE

Java Full-Stack Developer Intern	07/2024 – Present
<i>J Spiders Kochi</i>	

Gained expertise in Java, strong knowledge in its core concepts contributing to robust web application development. Skilled in the creation of dynamic UI using HTML, CSS, and JavaScript. Hands-on experience with modern frameworks like React and database management using Oracle SQL for efficient querying.

PROFESSIONAL SKILLS

- **JAVA:**
Solid knowledge on OOPs concepts (Inheritance, Polymorphism, Abstraction, Encapsulation).
Familiar with JDBC and Hibernate for basic database connectivity, management and object relational mapping (ORM).
- **HTML:**
Proficient in creating structured and semantic web pages.
Experienced in implementing accessibility standards to ensure inclusive web design.
- **CSS:**
Familiar with CSS, including responsive design, flexbox, grid, and basic animations to create user-friendly interfaces
- **JAVASCRIPT:**
Skilled in developing dynamic and interactive web applications.
Proficient in using modern JavaScript libraries like React for efficient front-end development
- **REACT JS:**
Skilled in building dynamic and interactive user interfaces using React.
Familiar with React tools like React Router and Hooks.
- **SQL:**
Experience in writing queries for data retrieval and manipulation.
Knowledge of database concepts such as joins, indexing, and normalization to optimize data management.

TECHNICAL SKILLS

Developer Tools: Visual Studio Code, GitHub, Git, Eclipse, Maven

Frameworks: Hibernate

Office Productivity Tools: MS Word, MS PowerPoint, Gmail, Google Sheets

SOFT SKILLS

Leadership

Teamwork

Adaptability

PROJECTS

- **Smart Traffic Light Switching and Traffic Density Calculation Model** *2023 – 2024*
Overview: Designed and developed an intelligent traffic management system that dynamically adjusts signal timings based on real-time vehicle count and prioritizes emergency vehicles, enhancing traffic flow and response times.
Technical Skills: Utilized Raspberry Pi as the embedded system, programming in Python, and developed a mobile application for signal registration using Java and Android Studio.
- **Tomato Leaf Disease Detection Using ResNet-152** *2022 – 2023*
Description: The project aims to develop a user-friendly mobile/web application for tomato disease detection. The project involves collecting a dataset of images containing healthy tomato leaves and leaves affected by various diseases. The dataset is processed by resizing, normalizing, and augmenting the images.

EXTRACURRICULAR

- NSS Volunteer Secretary (Unit 608)
- College Union Women's Representative

DECLARATION

I hereby declare that all the information above is true and correct to the best of my knowledge and belief.

MEGHA V M