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*
APJ Abdul Kalam Technological University   *75.4*

Diploma in Computer Engineering   *2021*
State Board of Technical Education   *92.3*

Higher Secondary Education   *2019*
State Board of Higher Secondary Education   *79.4*

EXPERIENCE

Java Full-Stack Developer Intern   *07/2024 – Present*
J Spiders Kochi

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.

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