SHANTAMMA

SOFTWARE DEVELOPER

CONTACT

📞 9535841644

✉️ siraganshantamma@gmail.com

📍 Rajaji Nagar, Bangalore

🌐 www.linkedin.com/in/shantamma-siragan-6a766827a/

EDUCATION

2020 - 2024

SHARNBASVA UNIVERSITY

- Bachelor of Technology in Information Science And Engineering

SKILLS

- Java , C , SQL
- Web Technology
- Database MySQL
- APIs Servlet, JDBC, JPA
- **Frameworks:** Servlet, JSP, Spring-MVC
- Tools: IDEs IntelliJ IDEA 64, Eclipse, Notepad++, Visual Studio Code, MySQL Workbench 8.0.

EXPERIENCE

PRESENT

Java Full Stack Trainee At Xworkz, Bangalore

PROJECT

POWER THEFT AND FAULT DETECTION USING IOT TECHNOLOGY
Description : Power theft and fault detection using IoT involves deploying sensors in the electrical grid to monitor parameters like voltage and current. Data is transmitted to a central system for real time analysis, detecting anomalies such as theft or faults. Alerts are generated for prompt action, enhancing grid efficiency and safety.

TECHNICAL SUMMARY

Proficient in OOP Principles:
- Skilled in implementing Encapsulation, Inheritance, Polymorphism, and Abstraction.
- Memory Diagram: Understanding of Stack Memory and Instance Memory in Java.
- Collections Framework: Expertise in using data structures like Lists, Sets, Maps, and Queues, with a focus on performance and best practices.

Exception Handling:
- Skilled in writing robust and fault-tolerant applications using throw, throws, try-catch blocks, and custom exceptions.
- Object Class: Proficient in overriding and utilizing methods like equals(), toString(), and hashCode(). Automated routine tasks using scripts to reduce manual effort and increase productivity
- DTOs: Experience in implementing Data Transfer Objects (DTOs) for data encapsulation and transfer.
- Array and String Manipulations: Strong knowledge of working with arrays and strings for efficient data handling.

SQL:
- Skilled in writing complex SQL queries, including WHERE, SELECT, JOIN, GROUP BY, HAVING, and subqueries for data retrieval and analysis.
- Proficient in SQL statements, including DDL for schema design, DQL for advanced data retrieval, DML for data handling, DCL for managing permissions, and TCL for ensuring data integrity and transactional consistency.
- Experienced in implementing CRUD operations (Create, Read, Update, Delete) for efficient data handling.
- Proficient in designing and managing Database Management Systems (DBMS) for structured data storage and retrieval.

Web Technology:

- Proficient in creating semantic, well-structured web pages using HTML5 with proper use of tags, attributes, and forms.
- Expertise in creating forms, handling user input, and integrating validation techniques using HTML elements.
- Proficient in styling web pages using CSS3, including advanced features such as flexbox, grid layout, and media queries for responsive design.
- Familiar with CSS frameworks like Bootstrap to speed up development and improve UI consistency.
- Proficient in writing clean, efficient JavaScript for dynamic, interactive web pages and web applications.

JDBC & JPA:

- Proficient in using JDBC for connecting Java applications to relational databases, executing SQL queries, and handling result sets.
- Experienced in performing CRUD operations using JDBC with proper transaction management and connection pooling techniques.
- Expertise in using Prepared Statement and Callable Statement for efficient and secure database interactions.
- Skilled in integrating JPA with Spring Data JPA for easier database access, repository patterns, and automatic implementation of queries.
- Implemented transactions, and fetching to improve performance in Hibernate-based applications.

Spring MVC:

- Experienced in configuring and using Spring Dispatcher Servlet to manage request routing and response handling.
- Skilled in defining controllers with @Controller and @RestController annotations to handle HTTP requests and implement business logic.
- Proficient in implementing RESTful web services in Spring MVC using @RequestMapping, @GetMapping, @PostMapping, and other HTTP mapping annotations.
- Skilled in defining controllers with @Controller and @RestController annotations to handle HTTP requests and implement business logic.
- Hands-on experience with Spring Data JPA and Spring JDBC for database interaction in Spring MVC applications