RAVIKUMAR SHANKAR KUMBAR

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Career Objective

Eager to embark on an enriching journey within the dynamic realm of IT, I am actively seeking an entry-level role that fosters a stimulating learning environment. Passionate about innovation and driven by creativity, my aim is to contribute fresh perspectives and creative solutions to propel the company's growth trajectory. Aspiring to excel as a software developer, I'm dedicated to making impactful contributions while continuously refining my skills in a collaborative setting.

Professional Experience

- **Trainee**   Aug 2023 – Present
  Java Enterprise Application Development Course   *X-workz Development Center*
  - **Courses**Java, SQL, HTML, CSS, JavaScript, Advanced Java, Frameworks, Spring MVC

Skills

- **Java**

  - Proficient in Java fundamentals: Variables, Datatypes, Parameters, Arrays, Enum, Keywords, import, Packages, Typecasting, static, non-static concepts, Access Specifiers, Method Return Type, and Wrapper Class.
  - Strong knowledge of object-oriented principles (Polymorphism, Inheritance, Encapsulation, Abstraction).
  - Understanding of Memory Allocation (Stack and Heap).
  - Familiarity with DTO and ENTITY.
  - Proficient in robust exception handling with try-catch blocks, including custom exceptions.
  - Skilled in Java collections framework (List, Set, Map).
  - Knowledgeable in Java 8 features: lambda expressions, streams, functional interfaces,default methods, and the Optional class.

- **HTML-5, CSS-3 and JavaScript**

  - Proficient in HTML5, adeptly utilizing tags, attributes, and manipulation techniques to create structured and validated web content, including forms and navigation links.
  - Well-versed in CSS3, employing selectors and styles to craft visually appealing and responsive web designs, ensuring an enhanced user experience.
  - Good knowledge in basic JavaScript concepts including variables, data types, control structures, and functions. Familiar with DOM manipulation and event handling.
  - Familiar with Bootstrap for rapid development and responsive design.

- **Spring MVC**

  - **Database Configuration:** Set up database connections and configurations in the application properties or XML files
  - **Entity Modeling**: Define entity classes to represent the data model, mapping them to database tables using annotations such as @Entity', '@Table', '@Column',@NamedQuery,@Data,
  - **Repository Layer:**Create repositories to handle CRUD operations, interacting with the database.
  - **Service Layer:** Implement business logic and transaction management in service classes, orchestrating repository operations.
  - **Controller:** Handle HTTP requests, invoke service methods, and return responses using annotated controller classes.
  - **Design Patterns:** Apply design patterns like MVC, Singleton, Factory, and DAO for better code organization and maintainability.

- **MySQL**
  - Strong understanding and skilled application of CRUD operations, primary keys/foreign keys, sub-queries, correlated sub-queries, and joins for effective data retrieval and manipulation.

- **JDBC/JPA**
  - Proficient in JDBC for robust database connections and SQL query execution.
  - Skilled in Java Persistence API (JPA) for seamless integration of Java applications with relational databases.

Projects

- **WOMENSECURITYAPP - Web Application for Women's Safety**
  - **Description** This App is a comprehensive platform designed to address the safety and security concerns of women. It offers a range of features including incident tracking, user registration, authentication, profile management, safety tips, complaint registration,admin page and more.
  - **Key Features**
    * **Incident Tracking:** Users can view the latest incidents in India on the homepage.
    * **Email Confirmation Authentication:** Before users can register, the system verifies their email address by sending an OTP (One-Time Password). Upon successful verification, users can proceed with the registration process, which includes providing detailed information such as username, email, Aadhar card number, and contact details. The registration process also involves real-time validation and confirmation emails.
    * **Authentication:** Registered users can securely sign in using their email and password. Forgot password functionality is available with email verification and password reset.
    * **Profile Management:** Users have full control over their profiles, including updating personal details, changing passwords, deleting accounts, and viewing safety tips.
    * **Complaint Registration:** Users can register complaints about incidents or cases through a dedicated form, with access to complaint history for tracking. Additionally, users are provided with the option to download a PDF copy of their registered complaint for reference.
    * **Admin Page:** Admin authentication is ensured through email verification, OTP, and password authentication. Admins have access to User Management, allowing them to edit user profiles. Additionally, admins can perform Complaint Status Editing and Complaint Copy Download.
  - **Technology Stack**
    * **Backend:** Java, Spring Framework (Spring MVC, Spring Security, Spring ORM), Hibernate, JPA
    * **Frontend:** HTML, CSS, JavaScript
    * **Database:** MySQL
    * **Security:** Passwords are encrypted using advanced techniques, with Spring Security employed for authentication and authorization.
    * **Email Integration:** Java Mail sender techniques are utilized for email notifications and password reset functionalities.
    * **Documentation:** Documented project functionalities and setup instructions for ease of understanding and replication.
  - **GitHub Project Link** https://github.com/ravikumarxworkz/ProjectNuggets/tree/main/WomenSecurityApp

Portfolio

- Created a personal portfolio website using HTML, CSS, and JavaScript.

- Hosted the website on GitHub pages for public access: Portfolio Link

Education

- **Bachelor of Engineering in Mechanical Engineering** — Aug 2016 – Aug 2020
  Sir M Visvesvaraya Institute of Technology,Bengaluru, India — *CGPA:7.2*
- **PUC** — Jun 2014 – Jun 2016
  Prism Pu Science College — *Percentage: 82.83%*
- **SSLC** — Jun 2013 – Jun 2014
  J G Edn Trust Kannada Med High School — *Percentage: 82.40%*

Declaration

I do hereby declare that particulars of information and facts stated here in above are true, correct and complete to the best of my knowledge and belief.

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