

Roopa k

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Summary

A motivated and detail-oriented BCA graduate with a strong foundation in Java programming, object-oriented concepts, and full-stack development. Seeking an entry-level software developer role to utilize my technical skills in Java ecosystems, MVC, JDBC, and RESTful services to contribute to scalable and efficient software solutions.

Professional Experience

Full Stack Developer Intern

May 2024

KodNest Technologies, Bangalore

- **Developed** and **implemented** user-friendly **web applications** using **Java**, **JDBC**, and **RESTful APIs**.
- **Collaborated** in designing **reusable libraries** and **components** to improve application **scalability**.
- **Utilized Git** for **version control** and **Maven** for build management to streamline development processes.
- **Gained experience** with **Java GUI frameworks** such as **Swing** and **AWT**, as well as web frameworks like **Struts** and **Spring**.
- **Assisted** in creating **database schemas** and managing **business processes** through **SQL-based solutions**.

Projects

TuneHub

- **Designed** and **developed** an interactive platform enabling users to **search, play, and organize** music tracks.
- **Integrated** Java APIs with a MySQL database to ensure reliable and efficient **backend data management**.
- **Utilized** the MVC architecture to streamline data flow and **implemented** RESTful services for robust client-server communication.
- **Ensured** code maintainability, **enhanced** scalability, and optimized performance through reusable components and modular design.

Drug Shipment App

- **Designed** a real-time **Java-based application** to track drug shipments, tailored for pharmaceutical logistics needs.
- **Implemented** Java **concurrency** and **multithreading** to efficiently manage real-time data updates.
- **Integrated** external **APIs** for accurate shipment tracking and **optimized** application performance using industry-standard **design patterns**.

Education

June 2023

May 2023

Bachelor of Computer Applications (BCA)

Nutan Institute of Management, Davanagere

Graduated: 2023 | CGPA: 7.5

Additional Skills

- Java programming, Object-Oriented Programming (OOP), Java Collections Framework, MultiThreading, HTML, CSS, SQL, Exception Handling
- Fluent in English, Tamil, Kannada