

Hemadharshini A

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Career Objective

Motivated Engineering graduate transitioning from Electrical and Electronics Engineering to Software Development, with strong interest and hands-on experience in Java, SQL, and Database Connectivity using JDBC. Seeking an entry-level role to contribute to software projects while continuously enhancing technical and problem-solving skills.

Education

- **Saranathan College Of Engineering** Tiruchirappalli, Tamil Nadu
Bachelor of Engineering in Electrical and Electronics Engineering 2020 - 2024
CGPA: 8.51 / 10
- **Mount Zion Matriculation Higher Secondary School** Pudukkottai, Tamil Nadu
HSC 2019 - 2020
Percentage: 73%
- **Mount Zion Matriculation Higher Secondary School** Pudukkottai, Tamil Nadu
SSLC 2017 - 2018
Percentage: 94.2%

Technical Skills

- **Programming** : Core Java
- **Database** : Oracle SQL
- **Web Technologies** : HTML, CSS
- **Technologies** : JDBC
- **Tools & Platforms** : Eclipse, Oracle SQL Developer, VS Code, GitHub
- **Concepts** : OOP, CRUD Operations, Exception Handling

Projects

Student Management System — Java, JDBC, Oracle

- Developed a console-based CRUD application using Java, JDBC & Implemented sorting functionality using SQL ORDER BY (High to Low and Low to High).
- Used PreparedStatement to prevent SQL Injection & Applied layered architecture (Model, DAO, Service).
- Implemented try-with-resources for efficient resource management.
- GitHub: [Repository Link](#)

Bank Account Simulator — Core Java

- Developed a console-based banking application using Core Java and OOP concepts.
- Implemented features such as deposit, withdrawal, balance checking, and transaction history.
- Used ArrayList to store transaction history and designed a menu-driven interface for user interaction.
- GitHub: [Repository Link](#)

Academic Project — Underground Cable Fault Detection Model

- Designed to locate and diagnose faults in underground power cables.

Certification

- **Certification in Core Java and Object-Oriented Programming (OOP)**
 - Covered Object-Oriented Programming concepts and foundational Java Programming skills.
 - Implemented basic Java programs.