

Hari Prasath K

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PROFESSIONAL SUMMARY

- Third-year B.Tech Computer Science student with hands-on experience in Java backend development. Proficient in Java, Spring Boot, REST APIs, MySQL, and object-oriented design. Interested in Blockchain based decentralized work flows. Experienced in collaborating on Git-based workflows, integrating databases, and delivering production-ready applications. Skilled in problem-solving, debugging, and optimizing code for performance.

EDUCATION

Amrita Vishwa Vidyapeetham

B.Tech in Computer Science and Engineering — GPA: 8.99/10

Coimbatore, India

Jul 2023 – Jul 2027

TECHNICAL SKILLS

Languages: Java (Advanced), Python, C, C++, SQL, HTML, CSS, JavaScript (Basic), Solidity

Frameworks: Spring Boot, Hibernate (Basic), Swing

Databases: MySQL, H2 Database, PostgreSQL

DevOps & Cloud: Git, GitHub, Maven

Concepts: OOP, REST API Design, File I/O, JDBC, Operating Systems

Tools: Postman, IntelliJ IDEA, Eclipse, Remix, MS Excel, MS Word, MS PowerPoint

EXPERIENCE

Java Developer Intern, Elevate Labs (Remote)

Jun 2025 – Jul 2025

- Developed **CLI and GUI applications** in Java using **OOP, JDBC, and Swing** for real-world use cases.
- Integrated **MySQL database** with **CRUD operations** and implemented input validation for data integrity.
- Collaborated using **GitHub** for version control, performing code reviews and merging pull requests.
- Improved execution efficiency by refactoring redundant code, **reducing runtime by ~20%**.

Java Project Contributor

Oct 2024 – Nov 2024

- Designed and implemented a **Java Execution Tracker** for runtime code tracing and debugging.
- Optimized **logging mechanism** and implemented **variable state tracking** for accurate reporting.
- Applied **modular design principles** and optimized **data structures** to enhance performance.

PROJECTS

BookStore API: GitHub — Tech Used: Java, Spring Boot, JPA, PostgreSQL, H2

- Developed a **RESTful Bookstore API** using **Spring Boot** with **PostgreSQL** for persistence.
- Implemented **CRUD operations** for book management with input validation for reliability.
- Optimized PostgreSQL queries, improving query performance by **~30%**.

Blockchain Based Frozen Pizza Traceability: GitHub — Tech Used: Ethereum, Solidity, Node.js, React.js, python

- Created a **Decentralized Platform** for the frozen pizza traceability ensuring trust among the **end users**.
- Applied **Smart Contract logic** to automate processes from **Manufacturer to Consumer** and implemented **on chain record storage**.
- Ensured zero **tampering of entered information** and **role based access** for the entities involved in the supply chain.

Employee Database App: GitHub — Tech Used: Java, JDBC, MySQL

- Built a **JDBC-based Java application** to manage employee records with **CRUD functionality**.
- Integrated **MySQL database** connectivity and applied exception handling.
- Used **prepared statements** to prevent SQL injection and improve security.

CERTIFICATIONS

Artificial Intelligence and Machine Learning — Skillsoft

2025

- Learned the introduction to different types of ML types and gained a knowledge on real world use cases.

Java Collection Frameworks(JCF) — EduCBA

2025

- Gained advanced Java programming skills including streams, Generics, and Java Collection API's.