

SOURABH Hombal

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Full Stack Developer with hands-on experience in Java and modern web technologies. Committed to writing clean, efficient code and creating innovative solutions that improve user experience and performance.

SKILLS

Programming Languages: Java, JavaScript

Frontend: HTML5, CSS3, JavaScript (ES6), React

Backend: JDBC, JSP/Servlets

Databases: MySQL

Tools: Git, GitHub, VS Code, Eclipse

Core subjects: OOP, Data Structures, Exception Handling, Multithreading, DBMS

PROJECTS

3D Reconstruction of Organs from CT and MRI Scans

Jan 2024 – Mar 2024

Python, OpenCV, NumPy, Open3D | HTML, CSS, JavaScript

[GitHub Repository](#)

- Converted **2D CT/MRI image slices** into accurate **3D organ models** using **image preprocessing** and reconstruction techniques.
- Generated **3D point clouds** and **mesh models** for medical visualization and analysis.
- Built a **frontend interface** for interactive **3D model visualization**.

Banking Management System

Aug 2025 – Sep 2025

Java, JDBC, MySQL

[GitHub Repository](#)

- Developed a **console-based Banking Management System** supporting **account creation**, **transactions**, and **fund transfers**.
- Integrated **JDBC** with **MySQL** for secure **database connectivity** and **transaction management**.
- Applied **OOP principles**, **input validation**, and **exception handling** to ensure **data integrity** and reliability.

INTERNSHIP

Full Stack Developer Intern – TAP Academy

Jun 2025 – Present

- Gained hands-on experience in **Core Java**, **OOP**, **Collections**, **Multithreading**, and **Java 8 features** (Lambda, Stream API).
- Developed full-stack applications integrating **MySQL databases** with backend logic and responsive frontend interfaces.
- Built a capstone **Online Food Delivery application**, implementing database integration, business logic, and UI design.

ACHIEVEMENTS

- **Participated in wave 2.0 hackathon** — built an end-to-end full-stack solution within 24 hours, competing among 300+ participants from various universities.
- Completed **Introduction to Software Development** certification from **Google (LinkedIn Learning)**, strengthening software development fundamentals.
- Earned **Core Programming with Python Badge** from **Accenture**, demonstrating proficiency in structured programming and problem-solving.

EDUCATION

KLS Vishwanathrao Deshpande Institute of Technology

Dec 2021 – Jul 2025

B.Tech in Electronics and Communication Engineering, CGPA: 7.22

Haliyal, India