

# AARADHYA VAIRAGI

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## Education

### B.Tech

July 2022 – 2026

Computer Science & Engineering

Parul university - VADODARA

7.5/10 CGPA

- Completed specialized coursework in **Java Development**, including practical application of Spring, Hibernate, JSP, and Servlets.
- Established a strong foundation in core CS fundamentals through coursework in **Data Structures, Algorithms, and DBMS**.

## Projects

### Capstone Project

#### GadgetSphere – E-Commerce REST API (Backend Only)

- Architected and developed a secure E-Commerce REST API using **Spring Boot**, featuring **10+ endpoints** for managing products, users, and orders.
- Implemented Spring AOP to intercept and log 100% of API requests, providing comprehensive audit trails and detailed insights into system usage patterns for security analysis.

#### QuickCourse – Course Listing & Management Portal

- Implemented Java Servlets and JDBC to build a full CRUD (Create, Read, Update, Delete) application, enabling persistent storage and management of course data.

#### AssetTrack – IT Asset Management System

- Designed and mapped domain entities using Hibernate ORM with JPA annotations (**@Entity**, **@Id**) to model the system's data structure.
- Implemented a complete CRUD repository using Hibernate's Session and EntityManager for robust data persistence.
- Utilized HQL (Hibernate Query Language) for complex data retrieval and integrated Maven for automated dependency management.

#### EventHive – Event Registration Platform

- Built a web application using **Spring MVC** to handle routing and controller logic for event registration.
- Integrated **Spring AOP** to implement centralized logging for key actions, improving traceability and simplifying debugging.
- Managed data persistence and transactions seamlessly using **@Transactional** annotations.

## Technical Skills

**Languages:** Java, C++

**Backend:** Spring Boot, Spring MVC, Spring AOP, Spring Data  
JPA, Hibernate, Servlets, JSP

**Frontend:** React, HTML, CSS, Tailwind CSS

**Databases:** Mysql

**Tools & Platform:** Git, Github, Maven

## Profiles

- **Portfolio Website** - A personal portfolio designed with HTML/CSS/JS, deployed on Github pages to showcase my projects.