ADITYA CHAKRE

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SKILLS

- Languages: Java (DSA & OOP) , C++ , Python, JavaScript, SQL
- Frontend Development: React.js, HTML, CSS, Bootstrap
- Backend Development: Spring Boot (REST, MVC, Security, Data JPA, AOP, JWT), Microservices, Hibernate, JDBC
- Database: MySQL, MongoDB, Firebase
- Tools & Technologies: Maven, Git, GitHub, Docker

PROJECTS

Battery Monitoring and Alert System Using Predictive Maintenance in EV's. (Final year project)

- Designed an IoT-based Battery Monitoring System for EVs using ESP32 to stream real-time sensor data (temperature, humidity, voltage, current) to Firebase. Integrated a trained ML model via Google Colab for anomaly detection and alert generation (threshold-based and critical red alerts) and also for predictive maintenance. Developed a web dashboard for live monitoring and historical diagnostics and maintenance.

Quiz app using microservices

- This is the quiz app which is divided into multiple services. The microservices concept is implemented here and this is done with the Netflix-Eureka Service Registry.This demo backend project shows the small concept implementation of the Microservices in backend.

JobApp using spring Boot

- A Spring Boot application using Web, Data JPA, Security, AOP, MySQL, and Lombok. It provides REST APIs, authentication & authorization, database integration, and cross-cutting concerns like logging via AOP, making it a complete foundation for scalable web applications.

Library Management System in Java

- Developed a Library Management System in Java using Maven, MySQL, JDBC, Hibernate, and JPA. Integrated Java Collections and RegEx for data handling and validation, ensuring smooth user input and secure DB interactions.

EDUCATION

Engineering	**Electronics & Telecommunication**	**CGPA: 7.92	2025**
	Pimpri Chinchwad College of Engineering, Pune	Pune, Maharashtra
Diploma	**Electronics & Telecommunication**	**90. 59 %	2022**
	A. G. Patil Polytechnic Institute, Solapur	Solapur, Maharashtra

CERTIFICATIONS / ACHIEVEMENTS

- Won 1st Prize in college for Final Year Project (IoT category)
- Won 3rd Prize in DRDO-DIAT workshop on Antenna Design & Theory
- Completed Java Spring Framework & Spring Boot course (Udemy)
- Completed Internship at DRDO-DIAT (Defence Institute of Advanced Technology)
- Completed MongoDB Toolkit course (GeeksforGeeks)
- Certified in Agile Methodology & Job Simulation (Cognizant)