

# Aditya Kumar

Aspiring Software Developer

+91-8409981081 | [LinkedIn](#) | [Github](#) | [Leetcode](#) | [aditya75.np@gmail.com](mailto:aditya75.np@gmail.com)

## SKILLS

- **Programming Languages** : Java, Node.js, JavaScript
- **Libraries and Frameworks** : Spring Boot, Spring Data JPA, Spring Security, React, Express.js, Mongoose(ORM), OpenCV, Socket.IO
- **Tools** : Junit, MongoDB, MySQL, Mockito
- **Other Skills** : Data Structure and Algorithm, SOLID Design Principle

## PROJECTS

### WebCar: Microcontroller Motor Control System

<https://github.com/adisupport/WebCar>

- Implemented an ESP8266 system for motor control, integrating with a C++ server, enhancing user interaction.
- Developed an intuitive car controller frontend using HTML, CSS, and JavaScript for seamless hardware interaction, improving user experience.

### Billing Software System

- Developed a desktop application using **Python** and **TKinter** GUI libraries to manage customer information, generate invoices and track purchase history.
- Implemented a mechanism to store customer records in a database for easy retrieval and management using **SQLite3** library.
- Created a mechanism to generate a detailed invoice in Word format using **docxtemplate** libraries.

### E-Commerce Application

- Designed and developed a robust and scalable backend application using **Spring Boot**, **JPA**, and **MySQL**, following MVC architecture.
- Developed and integrated multiple **microservices** to streamline user management, product cataloging, and payment processing, resulting in an enhanced user experience.
- Utilized **OAuth 2.0** for authentication and integrated Stripe for secure payment processing.
- Integrated **Redis** caching to optimize system performance, ensuring efficient data retrieval and faster response times.
- Implemented comprehensive unit tests using **JUnit** to validate the functionality and reliability of the codebase

## ACHIEVEMENTS

- Solved 400+ problem on leetcode.
- Solved over 300 Data Structures and Algorithms challenges at Scaler Academy, consistently ranking within the top 10% of learners.

## EDUCATION

### Scaler

2023

Specialized in Software Development & Problem Solving

Coursework: Data structures and Algorithms, Low-level Design, High-level Design, Java Backend Development, Databases.

### Bengal College Of Engineering And Technology

2021

BE/B.Tech/BS in Computer Science | 8.11 CGPA

## ABOUT ME

I am a versatile individual with a strong interest in multiple areas, not limited to a particular field of knowledge. I am passionate about problem-solving and applying my Data Structures and Algorithms (DSA) expertise, and I am always eager to learn new skills to build and enhance my projects.

My enthusiasm for tackling complex challenges drives my continuous learning and growth in the field of software development.