

# Arnav Singh

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## SKILLS

- **Languages:** Java, JavaScript, C, C++
- **Core:** Data Structures & Algorithms (Java), OOP, DBMS, Operating Systems
- **Web Technologies:** React.js, Node.js, Express.js, HTML, Tailwind CSS, REST APIs, Responsive Design
- **Databases:** MongoDB, MySQL
- **DevOps/Tools:** Docker, GitHub Actions (CI/CD), Git, GitHub
- **Soft Skill:** Problem Solving, Team Player, Adaptable, Quick Learner

## PROJECTS

### Bhook Express – Food Delivery Platform | [GitHub](#) | [Live](#) Mar 2026 – May 2026

- Built a production-grade full-stack food delivery platform with real-time category search, session-persistent cart synced between local storage and server on login, and JWT-secured user authentication.
  - Integrated Razorpay payment gateway supporting 3 methods (Card, UPI, Wallet) with server-side payment verification and order tracking across 4 stages: Pending → Processing → Out for Delivery → Delivered.
  - Containerized the application into 3 Docker services (React frontend, Node.js backend, MongoDB) and built a GitHub Actions CI/CD pipeline automating build, test, and deployment on every push.
- Tech:** React.js, Node.js, Express.js, MongoDB, JWT, Razorpay, Docker, GitHub Actions

### NaapTol – Farmers Smart Help | [GitHub](#) Sep 2025 – Dec 2025

- Developed a full-stack MERN platform enabling farmers to digitally manage crop records, market pricing, and structured measurements through a modular REST API backend built with Express.js.
  - Integrated live data sources for real-time weather updates, dealer discovery, and contextual farming tips to support data-driven decisions for agricultural users.
  - Built a responsive analytics dashboard for income and crop trend visualization and a real-time chat module enabling direct communication between farmers, admins, and the community.
- Tech:** MongoDB, Express.js, React.js, Node.js, Tailwind CSS

## SUMMER TRAINING

### MERN – Full Stack Development | [Link](#) Jun 2025 - Jul 2025

- Developed **end-to-end web development** skills by mastering the **MERN stack** MongoDB, Express.js, React.js, and Node.js through hands-on, project-based training at Cipher School.
  - Built multiple full-stack applications implementing **REST APIs**, user authentication, routing, state management, and **responsive UI components**.
  - Applied modern frontend development practices using **React**, including component-based architecture, **hooks**, and efficient state handling.
  - Enhanced backend expertise by working with Express and Node.js, integrating databases, **handling server-side logic**, and deploying full-stack applications.
- Tech:** React, NodeJS, MongoDB, Tailwind CSS

## CERTIFICATES

- Full Stack Web Development by CipherSchools | [Link](#) Jul 2025
- Cloud Computing by NPTEL | [Link](#) May 2025
- Data Structures and Algorithms by iamneo | [Link](#) Dec 2024
- Object Oriented Programming by iamneo | [Link](#) Dec 2024

## ACHIEVEMENTS

- Earned HackerRank certification badges in Java and C++ | [Link](#) June 2026
- Solved 150+ DSA problems across platforms | [GFG](#) | [HackerRank](#) | [Leetcode](#) June 2026

## EDUCATION

### Lovely Professional University Punjab, India

- *Bachelor of Technology - Computer Science and Engineering; CGPA: 7.68* Aug 2023 – Present

### Annada College Hazaribagh, Jharkhand

- *Intermediate; Percentage: 87.4%* Apr 2021 – Mar 2023

### St. Paul's School Hazaribagh, Jharkhand

- *Matriculation; Percentage: 87.8%* Apr 2020 – Mar 2021