

# Adarsh Shivam

Muzaffarpur, Bihar 842001

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## Internship

### Tata Consultancy Services | Research Intern

Feb 2025 – Apr 2025

- Researched **Android Automotive OS** components: **Instrument Cluster (Speedometer)** & **IVI (Infotainment)**.
- Developed **Python/OpenCV** scripts for **image processing** and **template matching** (85% accuracy).
- Built **coordination-based testing framework** for **real-time cockpit system validation**.
- Collaborated in **Agile environment** to deliver **SDLC-compliant** solutions.
- Automated **40% of manual testing** using **algorithm optimization**

## Trainings

### Full Stack Web Development | GeeksforGeeks

Jun 2023 - Jul 2023

- Built **Swiggy clone** with **ReactJS**, **NodeJS**, and **MongoDB** (MERN Stack).
- Implemented **JWT authentication** and **REST APIs** for electricity website portal.
- Achieved **95% mobile responsiveness** using **Tailwind CSS**.
- Deployed **3+ full-stacks applications** with **CRUD operations**.
- Tech stack: **HTML**, **CSS**, **Tailwind**, **Bootstrap**, **JavaScript**, **ReactJS**, **NodeJS**, **MongoDB**.

### Data Structures & Algorithms | GeeksforGeek

Jan 2023 - Jun 2023

- Solved **400+ problems** in **C++** (**Arrays**, **String**, **HashMap**, **Recursion**, **Trees**, **Graphs**, **Dynamic Programming**...etc).
- Designed **maze solver** using **BFS/DFS algorithms**.

## Projects

### BookKWorlds | MERN Stack, Responsive Web Design

Feb 2024 - Apr 2024

- Built Developed **bookstore** with **MongoDB Atlas**, **React pagination**, and **JWT auth**.
- Achieved **90% Lighthouse score** for **SEO** and performance.
- GitHub Repository Link: [BookKWorlds](#)

### Credit-Based Document Scanner | NodeJS/SQLite

Feb 2025 - Apr 2025

- Created **document manager** with **role-based access**, **file uploads**, and **credit system**.
- Tech Stack: **HTML**, **CSS**, **JavaScript**, **NodeJS**, **SQLite**, **REST APIs**.
- GitHub Repository Link: [CreditBasedDocScanner](#)

## Certificates

### Developing Front-End Apps with React

Feb 2024

Coursera — [Certificate Link](#)

### Full Stack Web Development

Jul 2023

GFG — [Certificate Link](#)

### Algorithms

May 2023

Coursera — [Certificate Link](#)

## Technical Skills

**Languages:** C++, Java, Kotlin, JavaScript, Python, PHP

**Technologies/Frameworks:** Git, GitHub, Postman, Tailwind, ReactJS, NodeJS, Express, Django, OOPS

**Databases:** MySQL, SQLite, MongoDB

**Skills:** Data Structures & Algorithms, Problem-Solving, Responsive Web Design, Scripting, Debugging

## Education

### Lovely Professional University Punjab

2021 - Present

Computer Science and Engineering — CGPA: 8.62

Jalandhar, Punjab

### Laxmi Rajdeo +2 School Bihar

2019 - 2020

12th with Science — Percentage: 73.40%

Muzaffarpur, Bihar