

# Aditya Sharma

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Linkedin: Aditya-Sharma

Portfolio Website

Github: Aditya-Sharma

## EXPERIENCE

### IDYLL

WEB DEVELOPMENT INTERN | Apr 2023 – sept | Delhi

- Created scalable web applications by combining the frontend power of **React** with the backend capabilities of **Node.js** and **Sequelize**.
- Mastered efficient **database** management using Sequelize ORM and **MySQL**, ensuring optimal data handling for Idyll's web platform.
- Implemented code organization techniques in React and Node.js for improved maintainability and scalability.

### NADOS:PEPCODING

TEACHING ASSISTANT | Mar 2022 – Sept 2022 | Delhi

- Expert in code debugging, enhancing students' coding skills and problem-solving abilities.
- Mentored students, resolved doubts on data structures, and facilitated understanding.
- Adapted teaching to diverse students, fostering an inclusive learning environment.

## PROJECTS

### ORIS: GENOMIC REPLICATION VISUALIZER

july 2023 | [Live Website](#) | [Design Doc](#) | [Github](#)

- Developed ORIS: A client-side genomic data analysis software using **JavaScript**, **React**, and **Firestore**, enabling DNA replication origin identification with GC skew graphs.
- Enabled researchers with genomic insights using **Recharts**, **React ChartJS 2**, and **react-csv**, and architected a powerful web-based tool for seamless API communication, benefiting school researchers.

### SWIGGY : FOOD ORDERING SITE

october 2023 | [Live Website](#) | [Design Doc](#) | [Github](#)

- Developed a feature-rich Food Ordering App using **React.js**, **Redux Toolkit**, and **Tailwind CSS**, emphasizing dynamic user interfaces and efficient state management.
- Implemented advanced technologies such as **lazy loading**, **custom hooks**, and UI libraries to enhance user experience and maintain code quality.
- Ensured robust app quality through comprehensive testing strategies, including **Jest**.

### EXCEL CLONE WITH CYCLE DETECTION

June 2023 | [Live Website](#) | [Design Doc](#) | [Github](#)

- Developed a web-based Excel Clone with real-time formula evaluation, **two-way binding**, offering a user-friendly spreadsheet experience.
- Implemented a unique **Cycle Detection algorithm** to identify and visualize cyclic dependencies among cells, enhancing data consistency.

## SKILLS

### Proficient with:

• react • redux • HTML • css  
• JavaScript • Sequelize • nodejs  
• mongodb • sql • expressjs  
• MySQL • data structures  
• algorithms • git • github • aws

### familiar with:

• JAVA • computer networks • DBMS • oops

## EDUCATION

### JAWAHARLAL NEHRU UNIVERSITY

B.TECH COMPUTER SCIENCE + MS  
COMPUTATIONAL BIOLOGY graduated  
july 2023 | Delhi Cum. GPA: 6.18 / 9.0

### FULLSTACK BOOTCAMP

**400+ DSA questions** | FULLSTACK WEB  
DEVELOPMENT | SYSTEM DESIGN  
graduated dec 2022 | delhi

### RUKMANI DEVI SCHOOL

HIGHER SECONDARY | PCM |CBSE  
graduated july 2018 | dausa  
percentage:75.6

## CERTIFICATES

### TECHNICAL

Java placement course | july 2023  
Cloud Computing-AWS | may 2019  
Fullstack development | apr 2019  
Core java | apr 2019

## SOCIETIES

Volunteered for 6 months at Bharti Sangrahit (NGO) as an Event Manager, managing and coordinating various initiatives.