

# JAYADITYA SAHU

## Software Engineer Intern

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[in](#) [Linkedin](#)     [Github](#)    [Leetcode](#)

# EXPERIENCE

Software Development Co-op Intern

AlgoUniversity (backed by Y-Combinator)

 May 2025 – July 2025  Hyderabad, India

- React | NodeJS | ExpressJS |MongoDB and Multer for streaming | Docker | JWT web tokens
  - Engineered a production-grade **online judge system**, having capability to support 500+ active users.
  - Integrated **Monaco editor**, **JWT auth**, **real-time code feedback**.
  - Architected **scalable REST APIs** and **containerized execution using Dockerto** isolate user code during compilation, improving reliability and security. [Github](#)

## ACHIEVEMENTS

- Became National Semi-finalist in Flipkart Grid 7.0. [Certificate](#)
  - Solved Over 460+ Coding Questions on Different Coding Websites. 1780+ rating in Leetcode. [Codolio profile](#)
  - Global Rank 1133 in Meta Hacker Cup 2025 [Certificate of Achievement](#)
  - Achieved Global Rank 632 in Leetcode Weekly Contest 473 .

# TECHNICAL SKILLS

- Programming Languages
    - C++
    - C
    - Javascript
  - Frameworks & Libraries
    - HTML, CSS
    - ReactJS, NodeJS, ExpressJS
    - MongoDB
    - Bootstrap, Tailwind CSS
    - Numpy, Matplotlib
  - Version Control
    - Git
    - Github
  - Other Tools
    - React Redux Tool, Docker, Post

## COURSEWORK SUBJECTS

- Design and Analysis of Algorithm
  - Operating System
  - Computer Organization and Architecture
  - Formal Language and Automata Theory
  - Database Management System

## EDUCATION

AIR 1686 JEE Adv 2023, B.Tech.

CSE - 8.89 CGPA

**Indian Institute of Technology,  
Bhubaneswar**

2023 – 2027

Higher Secondary - 96.0%

Delhi Public School

 2022  Nalco nagar, Angul, Odisha

Secondary - 97.2%

Delhi Public School

 2020  Nalco nagar, Angul, Odisha

# PROJECTS

# A Shareable Link Generating App For Files

- React | ExpressJS |MongoDB and Multer for streaming
  - Architected a full-stack File Sharing App enabling secure uploads/downloads via auto-generated links.
  - CORS-ready and environment-driven, it's a lightweight microservice which can be plugged into any large-scale ecosystem. [Github](#)

## Superstore Bill System

- C++ | OOPS | File Handling
  - Implements structured data handling for products invoices. - **Demonstrates clear application of file I/O for persistent storage.** - Builds foundational algorithms for potential future projects like bill calculation, tax addition, and stock updates.

# CPU Scheduling Simulator

- C++
  - This is a console based simulator of CPU scheduling algorithms such as First Come First Serve(Non-preemptive), Shortest Job First(Non-preemptive), Shortest remaining time(Preemptive), Round Robin(Preemptive), priority scheduling etc.
  - Shows the start time, end time of each process as per the scheduling algorithms , where user gives the process IDs and start times and other necessary details as per the scheduling algorithm. [Github](#)