

# ADITYA

Ranchi, Jharkhand

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## Education

### Kalinga Institute of Industrial Technology

BTech in Computer Science Engineering - CGPA Current - 8.28

Sep. 2022 – May 2026

Bhubaneswar, Odisha

### Surendranath Centenary School

All India Senior School Certificate Examination (AISSCE) - 81 %

April 2020 – March 2022

Ranchi, Jharkhand

### DAV Nandraj Public School

All India Secondary School Examination(AISSE) - 92 %

April 2015 – March 2020

Ranchi, Jharkhand

## Relevant Coursework

- Data Structures
- Database Management
- Computer Networks
- Automata Theory
- Algorithms Analysis
- Software Engineering
- Computer Architecture
- Operating Systems

## Experience

### FED Entrepreneurial Society - Link

December 2023 – Present

App Developer

Bhubaneswar, Odisha

- Assisted in development of the front end of a mobile application for iOS/Android using Dart and the Flutter framework.
- Worked with Google Firebase to manage user inputted data across multiple platforms including web and mobile apps.
- Utilized Android Studio as a development environment in order to visualize the application in both iOS and Android.

## Projects

### Personal Portfolio | Next.js, Tailwind CSS, Typescript, MongoDB - Link

December 2024

### Talking Junction - Chatting Application | React, Tailwind, Node.js, Socket.io, MongoDB - Link

November 2023

- Developed a real-time chatting application where users can login/register.
- Users can update details and avatars on profile, Generates random avatar using DiceBear API
- Users can create a chat room, shows active status, search other users and dark mode features.

### xv6-altered - Modified OS | Assembly, C, Shell, Kernel - Link

November 2023

- xv6 a re-implementation of Dennis Ritchie's and Ken Thompson's Unix Version 6 (v6).
- Implemented features like semaphore and monitor synchronization, solving problems like the Reading Room problem.
- Conducted thorough source code analysis and optimization for performance improvement and added a zombie algorithm.

### Mind's Mom - Your Personal Health Companion | Kotlin, Java, Figma - Link

December 2023

- Spearheaded Mind's Mom creation, utilizing Python and ML for personalized mental health assessments.
- Developed a user-friendly React Native interface, ensuring seamless accessibility for mental wellness seekers.

### Dine N Decode: Taste Trends and Tables | Python, NumPy, Scikit-Learn, Seaborn, Pandas - Link

January 2024

- Performed data cleaning by handling missing values, renaming columns, and removing duplicates.
- Conducted data visualization to analyze restaurant trends, ratings, and service types.
- Applied regression models Linear Regression, Decision Tree, and Random Forest to predict restaurant ratings and costs.

## Technical Skills

**Languages:** Python, Shell, C/C++, JavaScript, Java, Assembly, PostgreSQL

**Developer Tools:** AWS, MongoDB, RESTful APIs, Git/Github, Android Studio

**Technologies/Frameworks:** Node.JS, .NET, Docker, SpringBoot, Socket.IO, Linux, React, Flutter, Next.JS, Tailwind

## Leadership / Extracurricular

### Smart India Hackathon

Spring 2023

Team Leader

Kalinga Institute of Industrial Technology

- Led a team of 6 members to work towards goals that improve and promote our Project Idea on Mental Health.

## Achievement

### Competitive Programming - Link

Autumn 2024

4 - Star

Codechef

- 4 - star competitive programmer in Codechef in 8 contests.

### Advanced C++ Certificate - Link

Autumn 2023