

# Adarsh Dhakar

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Portfolio: [portfolio/adarshdhakar](https://portfolio.adarshdhakar)

## Education

### Indian Institute of Technology, Bhubaneswar

B.Tech in Computer Science and Engineering

CGPA: 9.22

Nov. 2022 - present

### St. Paul's School, Bhopal

Senior School Certificate Examination, CBSE

Percentage: 93.6%

April 2020 - March 2022

### St. Paul's School, Bhopal

Secondary School Certificate Examination, CBSE

Percentage: 95%

April 2018 - March 2020

## Key Skills

- **Programming Languages:** JAVA, C, C++
- **Front-End:** HTML, CSS, JS, ReactJS, NextJS
- **Back-End:** NodeJS, ExpressJS (EJS, REST)
- **Databases:** MySQL, MongoDB
- **Tools:** Git, GitHub, MATLAB, Arduino
- **Framework/Libraries:** Bootstrap, Tailwind CSS

## Projects

### SaaSify | Software as a Service Intermediary

[Deployed App](#)

- Developed a web application manage software listings, enable users to add services to their cart, carry out auctions.
- **Key Features:** Software Listings, Shopping Cart, Checkout Process, Auction Feature, User Reviews
- **Technologies used:** HTML, CSS, Bootstrap, JavaScript, NodeJS, EJS, Mongo ATLAS, Cloudinary, Render

### ChitChat | Real Time AI-powered Chatting Website

[Deployed App](#)

- Developed a real time chatting Website, with group chat feature through room code and audio and video calls
- **Key Features:** Real Time Chatting, Group Chat, Audio and Video calls, AI Chatbot Assistance for user support
- **Technologies used:** HTML, CSS, NextJS, JavaScript, NodeJS, Mongo ATLAS, Cloudinary, Vercel

### WanderLust | Accommodation Booking Website

- Developed a full-stack web application, designed for users to list, discover, and book accommodations worldwide.
- **Key Features:** User Profiles, Property Listings, Booking System, Reviews and Ratings, User Support
- **Technologies used:** HTML, CSS, Bootstrap, JavaScript, NodeJS, MongoDB

## Academic Projects

### CPU Simulation | RISC-V Simulator

- Converts the assembly code to machine code and then to final output while taking care of Data and Control Hazards
- **Key Features:** Hazard Handling, Supports more than 30 types of instructions, Supports Read/Write into the Cache
- **Technologies used:** C++, OOPS, Encapsulation, Inheritance

### Minesweeper | Arduino IDE Game

- Implemented the classic Minesweeper game, allowing players to uncover tiles on a grid while avoiding hidden mines.
- Won second prize for this project in the General Championship'24 of our college.
- **Requirements:** Arduino board, TFT display, Joystick module, Adafruit\_GFX, Adafruit\_ST7735

## Achievements

- **JEE Advanced 2022:** Rank 3852 among 1.5 lakh candidates
- **JEE Mains 2022:** Rank 3127 among 9 lakh candidates
- Solved **600+** DSA questions on different platforms
- Won **second prize** in the General Championship '24
- **LeetCode:** Solved 300+ DSA questions
- **GeeksforGeeks:** Solved 200+ DSA questions
- **CodeForces:** Max Rating 1271
- **CodeChef:** Max Rating 1502

## Position of Responsibility

### Core Member

(May 2022- present)

Robotics and Intelligence Club (RISC), IIT BBS

- Implemented a game on TFT display and Arduino
- Build a Metal Detector Robot using Arduino