# Adarsh Dhakar

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Github: github.com/adarshdhakar
Portfolio: portfolio/adarshdhakar

## Education

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|---|---|
| **Indian Institute of Technology, Bhubaneswar** | GPA: 9.22 |
| B.Tech in Computer Science and Engineering | *Nov. 2022 - present* |
| **St. Paul's School, Bhopal** | Percentage: 93.6% |
| Senior School Certificate Examination, CBSE | *April 2020 - March 2022* |
| **St. Paul's School, Bhopal** | Percentage: 95% |
| Secondary School Certificate Examination, CBSE | *April 2018 - March 2020* |

## Key Skills

- **Programming Languages:** JAVA, C, C++, Python
- **Java:** DSA, OOPS, Threading, Multi-threading
- **Front-End Development:** HTML, CSS, JavaScript
- **Back-End Development:** NodeJS, ExpressJS (EJS, REST)
- **Databases:** MySQL, MongoDB
- **Tools:** Git, GitHub, MATLAB, Arduino
- **Framework/Libraries:** Bootstrap, ReactJS, Tailwind
- **Machine Learning:** Supervised and Unsupervised Learning

## Projects

### EcoSaver | Food Waste Reduction Website ⭮
- Developed a comprehensive web application aimed at reducing food waste through different measures.
- **Key Features**: Meal Planning, Recipes, Inventory management ,Expiration Alerts, Educational Resources, Reviews
- **Technologies used:** HTML, CSS, Bootstrap, JavaScript, NodeJS, MongoDB

### 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, ReactJS, JavaScript, NodeJS, MongoDB

### Metro App | Java Based Program ⭮
- A software based solution to book metro train tickets, get shortest distances and paths between stations.
- Key features includes getting shortest distances, times and paths and concepts used is mostly graphs.

## Academic Projects

### Pathfinder-for-JEE | College Predictor and Path Finder ⭮
- Website functionalities for students preparing for competitive examinations especially JEE.
- **Key Features:** College predictor, rank predictor, mock tests, schedule maker, user authentication and authorization
- **Technologies used:** C, File Handling, File Input-Output

### 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 **500+** DSA questions on different platforms
- Won **second prize** in the General Championship '24
- **LeetCode:** Solved 200+ DSA questions
- **GeeksforGeeks:** Solved 100+ 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