

# Aritra Mondal

B.Tech CSE Student at KIIT University

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## EDUCATION

<b>Kalinga Institute of Industrial Technology, Bhubaneswar, Odisha</b> <i>Bachelor of Technology in Computer Science and Engineering</i>	2021 - 2025 CGPA: 7.46
<b>Zoom International School, Durgapur</b> <i>Senior Secondary (XII) CBSE</i>	2021 Percentage: 61%
<b>Hem Sheela Model School, Durgapur</b> <i>Secondary (X) CBSE</i>	2019 Percentage: 73.33%

## COURSEWORK

**Courses:** Data Structures & Algorithms, Object-Oriented Programming, Database Management System, Operating System, Computer Networks, Software Engineering

## PROJECTS

### Text Recognition Application | Jupyter Notebook, Machine Learning | [Github](#)

- Developed a handwritten digit recognition system utilizing SVM, Random Forest, KNN, and Logistic Regression algorithms to achieve high accuracy in digit classification.
- Implemented and optimized various machine learning models for robust digit recognition, improving model performance through hyperparameter tuning and feature selection.
- Integrated advanced preprocessing techniques and validation strategies to enhance model reliability and generalization on diverse digit datasets.

### Flight booking application | HTML, CSS, Javascript | [Github](#)

- Designed and developed a dynamic flight booking application using HTML, CSS, and JavaScript, enhancing user experience with a responsive and intuitive interface.
- Utilized JavaScript for front-end logic and form validation, ensuring accurate and secure data handling throughout the booking process.
- Applied advanced CSS techniques to create a visually appealing design, including custom animations and layout adjustments for optimal user engagement.

### Broker Buddy | MERN Stack, Prisma, MongoDB | [Github](#)

- Designed and developed a full-stack real estate broker application using the MERN stack and Prisma ORM, enhancing user experience with a responsive interface and efficient data handling.
- Implemented secure user authentication, property listings, advanced search functionalities, and real-time updates with WebSockets, providing a seamless and interactive user experience.
- Deployed the application on cloud platforms, conducted thorough testing with Jest and Cypress, and created comprehensive documentation for easy maintenance and future enhancements.

## TECHNICAL SKILLS AND AREA OF INTERESTS

**Languages:** C, C++, Python, Java, Javascript

**Web Technologies:** HTML, CSS, React

**Backend Frameworks:** Django, Flask

**Data Management:** DBMS, RDBMS, MySQL, Oracle SQL, NoSQL, MongoDB

**Area of Interest:** Singing, Painting, Cricket, Football

## CERTIFICATIONS

<b>HackerRank Problem Solving (Basic)</b> <a href="#">Link</a>	August 2023
<b>HackerRank Problem Solving (Intermediate)</b> <a href="#">Link</a>	August 2023
<b>Full Stack Development using MERN Stack</b> <a href="#">Link</a>	July 2023
<b>Udemy Web Development</b> <a href="#">Link</a>	August 2023
<b>IBM Generative AI: Prompt Engineering Basics</b> <a href="#">Link</a>	February 2023