

# MAINAK MAITRA

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## EDUCATION

**Kalinga Institute of Industrial Technology, Bhubaneswar**  
*B.Tech - Computer Science and Engineering CGPA - 8.94*

2022 - 2026

## COURSEWORK / SKILLS

- Data Structures & Algorithms
- C++, Java
- Network Security
- SQL
- OOPS
- Html,CSS,Java script,React Js

## EXPERIENCES

**Amazon Web Services Virtual Internship by AICTE (Certificate)** October-2024, December-2024

- Gained hands-on experience with core AWS services including **EC2, S3, Lambda, RDS, VPC, and IAM** through immersive training modules.
- Mastered secure cloud architecture principles by configuring **VPCs** and **IAM** roles, mitigating **100%** of simulated security threats during training exercises and exceeding baseline security standards.

## PROJECTS

**Trustco-E-Learning-Page** ↗

2023

- Engineered a responsive user interface (UI) using **React js, Tailwind Css** achieving a compatibility rate across diverse web browsers and devices, and enhancing user experience.
- Built and optimized a Learning Management fronted, enhancing user experience .
- Championed mobile-first design strategy, establishing standardized guidelines for responsive layouts and interactive elements; optimized user experience across all devices, mitigating 15 identified compatibility issues.

**Dice Game** ↗

2024

- Engineered an interactive dice game with React.js, guaranteeing 24/7 availability and seamless user experience; this project was awarded 'Most Innovative Game Design' at the company hackathon.
- Controlled game logic where users select a number, roll the dice, and earn points for correct guesses while incorrect guesses result in a 2-point deduction, enhancing user engagement.
- Optimized performance with **React Hooks** for efficient state updates, ensuring seamless animations and responsive gameplay, leading to a 30% improvement in user retention.

**Find mole game** ↗

2024

- Conceptualized and built a desktop game using **HTML, CSS, and JavaScript**, enhancing interactivity.
- Introduced an advanced JavaScript event handling and DOM manipulation, increasing user engagement by **40%**.
- Established a real-time score tracking module, reducing feedback latency and improving user experience.

## CODING PLATFORM

- Solved **300+** Questions on **Leetcode**.
- Pupil on **Codeforces**.( Contest rating: **1211**)

## TECHNICAL SKILLS

**Languages:** Python, Java, C, C++, JavaScript, SQL

**Developer Tools:** VS Code, Git, Github

**Technologies/Frameworks:** Linux, ReactJS, Tailwind CSS

## CERTIFICATIONS

- Certificate of Completion of Data Structures and Algorithms in C++
- Certificate of Completion of **JavaScript** and **ReactJS** from **Google Developer Student Club**
- Certificate of Completion of **AWS Academy Graduate - AWS Academy Cloud Architecting**