

ANISHA BIRLA

[Portfolio](#) [Gmail](#) [LinkedIn](#) [LeetCode](#) [GitHub](#)



Education

Kalinga Institute of Industrial Technology

Btech in Computer Science

Sept 2021 - May-2025

Bhubaneswar, Odisha

- **Relevant Coursework:** Data Structures and Algorithms (C++), Object-Oriented Programming, Software Engineering Principles, Database Management Systems, Web Development, Software Engineering Principles, Operating Systems, Software Development Methodologies, C, Computer Networks, Cloud Computing, Software Project Management

Experience

GirlScript Summer of Code (GSSoC) 2024

Contributor [View Badge](#)

Oct 2024 - Ongoing

Remote

- Contributed to open-source projects as part of the GSSoC 2024 initiative.
- Collaborated with mentors and fellow developers to improve software solutions and tackle technical challenges.
- Enhanced skills in problem-solving, collaboration, and project management through real-world coding tasks.

Khetibaari

MERN Developer

May 2023 – Jun 2023

Remote

- Coordinated with a cross-functional team to implement a secure transaction system on Khetibaari, reducing dependency on middlemen for farmers and facilitating direct transactions.

Projects

[Cure Connect](#) | React Js, Node Js, Express Js, MongoDB, CSS, Bcrypt, Axios

- Generated a **robust MERN stack hospital website** featuring **online appointment scheduling** and **seamless email integration**; optimized patient booking efficiency and analyzed user engagement through **intuitive React components**.
- Implemented **MongoDB for data management**, enhancing the security of patient records while ensuring compliance with **healthcare regulations**.
- **Enhanced User Experience:** Spearheaded the development of a **responsive backend infrastructure** using **Express.js**, significantly reducing load times, leading to advanced user satisfaction across hospital visitors.

[Lumi Talk](#) | Javascript, Node JS, Express JS, Socket.io, Html, CSS

- **Implemented a real-time messaging platform** that facilitated instant communication among users, leveraging HTML, CSS, and JavaScript along with Vue.js, significantly increasing user engagement.
- Designed a real-time **chat feature using WebSocket.io**, enhancing user engagement and reducing response time.
- Crafted a visually appealing **user interface using Vue.js** that maintained a consistent look and feel across platforms; multiple teams adopted this project, improving collaboration and design standards across the organization.

[Traffic Pulse](#) | Python, YOLOv8, NumPy, Pandas, Matplotlib, PyTorch

- **Developed rigorous validation techniques** throughout the project lifecycle, leading to improved operational efficiency for traffic management systems.
- **Fine-tuned YOLOv8 architecture** to achieve high accuracy in vehicle detection across streaming video feeds, creating real-time processing capabilities and reducing detection latency.
- **Optimized Data Pipeline:** Streamlined data preprocessing and annotation workflows, improving model training efficiency and reducing overall system resource consumption.

Technical Skills

Programming Languages: C,C++,Java

Other Languages:HTML5, CSS3, JavaScript,SQL

Frameworks/Libraries: ReactJs, NodeJs, ExpressJs, TailwindCSS, Bootstrap, Sevlete

Databases: MongoDB, MySQL, Supabase

Tools & Platforms: Git, GitHub, Postman, Wordpress, Elementor

Achievements and Hackathons

- **350+ DSA problems on LeetCode(Top 15% Globally), HackerRank (Silver Badge in SQL)**
- **Scored 96.17 percentile in Naukri Campus Young Turks, India's largest skill contest:** [View Certificate](#)
- Shortlisted in **top 30** for internal **Smart India Hackathon'23**
- **Finalist in the Hult Prize Hackathon'22.**
- Advance to the **second round** of InnoHacks'23 hackathon
- **HackerRank Software Engineer Intern Certificate:** [View Certificate](#)
- **HackerRank JavaScript Intermediate Certificate:** [View Certificate](#)
- **Postman API Fundamentals Student Expert Certificate :** [View Certificate](#)

Co-Curricular Activities

- Three-time winner at the **National Gymnastics Championship** in 2015, 2016, and 2017, held in **Kolkata, Telangana, and Agra.** [View Link](#)