

# Shubhangi Dutta

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## EDUCATION

### Kalinga Institute of Industrial Technology

Aug 2025

*B.Tech. Computer Science and Engineering**Current GPA: 7.74 (as of 6th Sem)*

### Sri Sri Academy

2019 - 2021

*ISC (Standard XII)**Science: 90%*

### Sri Sri Academy

2017 - 2019

*ICSE (Standard X)**Science: 91.8%*

## COURSEWORK

**Courses:** Object-Oriented Programming, Data Structures & Algorithms, Discrete Math, Probability & Statistics

**Awards and Honors:** Vice Captain of School House (2019 - 2020), Best Athlete on Annual Sports Meets(x3).

## SKILLS

**Languages:** C/C++, Python, Java, JavaScript/TypeScript, HTML/CSS

**Tools:** Git/GitHub, VS Code, IntelliJ IDEA/PyCharm

**Frameworks:** React, Node.js, JUnit, Material-UI, FastAPI

**Libraries:** pandas, NumPy, Matplotlib, OpenGL

## PROJECTS

### Physics Particle Simulation | *CLion, C++, SFML, CMake, Git*

May. 2024 – ongoing

- Learnt the basic computations required for making collision renders and simulating particles.
- Applied multi-threading to optimise and increase the rendering capability to at least 16 times the original simulation.

### GitMatch | *JavaScript, HTML/CSS, React.js, Express.js, Git, VS Code*

July. 2023

- Developed a full-stack application for networking amongst developers for Hack4Bengal2.0.
- Implemented the UI and front-end required for the website on React.js and implemented the back-end using Express.js and MongoDB.
- Deployed the project on Vercel within a 30 hour deadline.
- Was awarded 'Best of All Girls Team' by Google Developers Group Cloud, Kolkata.

### Weather Application | *JavaScript, HTML/CSS, React.js, Express.js, Git, VS Code*

June. 2023

- Full-stack application for a weather app.
- Integrated 3rd Party REST API to invoke the weather for a user-input city.

## EXTRACURRICULARS

### HOBBIES

#### Brand Designing

2024 – present

Created logos and brandfolios, secured 2nd place in a brand and logo creation contest at KIITFEST7.0.

#### Model United Nations

2020 – present

Achieved 'Honorable Mention' for double delegating as Germany in UNFCCC at KIITMUN 2023.

#### Video Gaming

2019 – present

Avid player of Valorant and Minecraft, has keen interest in console games and likes to research on their technicalities.

## SOCIETIES

### Java Developer at E-Labs KIIT

2022 – present

### Technical Writer at Google Developer Student Clubs KIIT

2022 – present

### Director Team Lead at KIIT Film Society

2021 – present

Worked on more than 3 films as an actor and director, secured 'Best Animated Film' at National Road Safety Film Festival, Odisha.