

ARGHADEEP SAHA

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Education

Kalinga Institute of Industrial Technology

Oct. 2021 – Jun 2025

Bachelor of Technology - Computer Science and Engineering [CGPA: 8.05]

Bhubaneswar, Odisha

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Cryptography
- Machine Learning
- Software Engineering
- Database Management
- Cloud Computing
- Neural Networks

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Frameworks: NodeJS, ExpressJS, ReactJS, NextJS, SpringBoot
Tools: GitHub, Postman, AWS, Figma, Git
Databases: MongoDB, PostgreSQL, MySQL, NOSQL, Firebase
Soft Skills: Excel, Tableau, Team Work, Leadership

Experience

Mobcast Innovations

Aug 2022 – Jan 2023

Backend Developer Intern

Remote

- Leveraged **MongoDB** extensively to expertly architect and query data at scale, pivotal in deploying diverse features like video recommendations and personalized user homepages.
- **Revitalized indexes, aggregates, and search functionality to elevate performance.** Collaborated on a unified codebase for the organization's exclusive video streaming server developed on **Spring Boot**.

IOT Lab

Apr 2022 – Dec 2022

Web Developer

Bhubaneswar, Odisha

- Conducted extensive speed diagnostics, revealing the site's potential for significant improvement with REST APIs. Implemented efficient separation of front and backend, eliminating unnecessary API calls, and optimizing caching
- Employed automation tools to vigorously minify CSS, JavaScript, and HTML files, utilizing potent technologies such as **Terser, CSSnano, HTML Minifier, and Parcel**.

Projects

3D Virtual Trial Room |

Ongoing

- Empowering users with a dynamic, 3D virtual fitting room experience enhanced by an interactive chatbot for personalized and confident online fashion choices.
- **Tech Stack: Python, ReactJS, NodeJS, ThreeJs, RASA, MongoDB, Docker**

Maze Solver | [Web Link](#), [Repo Link](#)

October 2023

- Conquered mazes effortlessly with this Python A* algorithm. Clone, download your maze image, run the script, and witness the code efficiently plotting the shortest path.
- **Tech Stack: Python, OpenCV, Matplotlib, Numpy**

Autonomous Vehicle Driver | [Repo Link](#)

August 2023

- Revolutionized transportation, autonomous vehicle driver project pioneers cutting-edge technology, enhancing safety and efficiency. It navigates, analyzes, and adapts seamlessly, heralding a new era of intelligent mobility.
- **Tech Stack: C++, C, Shell, CMake, Python, Batchfile**

Cropio | [Web Link](#), [Repo Link](#)

June 2023

- Revolutionized farming journey with Cropio's powerful insights. Maximized profits, optimizing resources, and thriving in agriculture, explore the platform to empower growth journey and elevate farming experience.
- **Tech Stack: HTML, CSS, Hack, TypeScript, JavaScript, PHP, Python**

Certifications

Microsoft: Skill badges and Trophies ([Link](#))

Forage: Virtual Internship Certificates ([Link](#))

Leadership and Co-curricular

Fest: Organized two coding events for the city's cultural fest. Taught basic computer skills to the differently abled students under a student community project. Managed a student body and Deployed leadership skills and led my troop to victory