

BISHNU AMOLA

Indian Institute of Technology Bhubaneswar

@ ba11@iitbbs.ac.in

+91 9560199845

Rishikesh, India



EDUCATION

B.Tech in Civil Engineering

Indian Institute of Technology Bhubaneswar

2019 – 2021

CPI: 8.2

Intermediate/+2(CBSE)

DSB International Public School

2019

Per: 95.6%

Matriculation(CBSE)

DSB International Public School

2017

CGPI: 9.8

PROJECTS

Facebook Clone

Technology used: ReactJS, Firebase, Material UI

Feb 2022

- **Features:** This clone of Facebook is a single page application built using **ReactJS** in which use can sign-in using their google accounts.
- User can write a post and the feed would change in real-time for all the users.
- The back-end of the app is maintained using the **Firestore** database.
- URL <https://fb-clone-b81f0.web.app/>

User Registration Project

Technology used: hbs, Nodejs, Express, MongoDB

September 2021

- **Features:** Users can sign-up and log-in into the system. The user information is stored in **MongoDB**.
- The **bcryptjs** library is used to hash password before saving into the database providing more security.
- Once the user is logged in, each subsequent request will include the **JSON web tokens**, allowing the user to access authorized routes.

Realtime Chat Application

Technology used: HTML, CSS, JavaScript, Nodejs, Socket.io

September 2021

- **Features:** Multiple users can join a chat room by each entering a unique username on website load.
- A notification is sent to all users when a user joins or leaves the chatroom.
- Users can type chat messages to the chat room.

EXPERIENCE

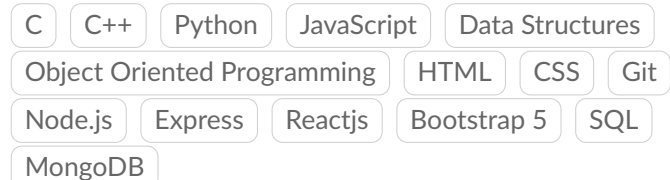
Research Intern, IIT Bhubaneswar

Damage detection in concrete using Deep Learning

May 2022 - Jul 2022

- Used a CNN based model on the Tokaido dataset to detect various types of damages in concrete.
- The model is based on U-net architecture with integrated inception modules and Atrous Spatial Pyramid Pooling.
- Technologies Used: Tensorflow, Keras, google colab

SKILLS



ACHIEVEMENTS

- Secured **3rd rank** in **Synergise** - The open source event of IIT Bhubaneswar.
- **4 star (max rating 1888)** on **Codechef**.
- **1860** maximum rating on **Leetcode**.
- Qualified to the **Round 2** of Facebook Hacker Cup 2021.
- Solved 500+ problems on **GeeksForGeeks** and **Leetcode**.
- Gold Medalist at National Mathematics Olympiad with **City Rank 1**.

POSITION OF RESPONSIBILITY

Academic Guide

Academic Council, IIT Bhubaneswar

July 2021 – Present

Core Head Publicist

Alma Fiesta, IIT Bhubaneswar

September 2019 – Present

Event Management Team

Alumni Cell, IIT Bhubaneswar

August 2020 – July 2021