

# ANKAN ROYCHOWDHURY

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Portfolio

in Ankan Roychowdhury

## EXPERIENCE

### CodeClouds | SDE Intern

Sept 2022 – March 2023 Remote

- Designed and implemented a Admin Portal using **React** and **php** to visualize data stored in **MySQL**,
- Ensured only authorized users have access to the application by creating an **AWS Lambda@Edge** function to intercept and sign valid requests
- Increased the efficiency of state management by **22%** using **Redux**

### CodeClouds | Executive Developer

March 2023 - Present Kolkata, India

- Responsible for building scalable application for overseas clients on **E-Commerce** Domain.
- Increased **44%** product sales by integrating pixel firing to monitor customer behaviour.
- Implemented **cron** setup to automate the 15 minutes delay in Re-bill Products.
- Integrated **PAAY 3DS** method to ensure secure two-factor authentication on payment processing.

## ACHIEVEMENTS

- Winner of Internal **Smart India Hackathon 2022**.
- Ranked 16k among 2 lakh Participants in **IICC by AICTE**.
- Coding Competition : CodeChef Long July 20B Global Rank **1176** | Codechef August Lunchtime Rank **976**
- Codechef : Max Rating 1600 ( 3 Star )

## TECHNICAL SKILLS

- Language** : C | Java | JavaScript
- Fundamentals** : Data Structure | Object Oriented programming (OOPS) | Operating System
- Tools** : Git | GitHub | IntelliJ | VS Code | Eclipse
- Database** : MySQL | Oracle | MongoDB

## VOLUNTEER

- Tech Lead** at **Google Developer Students Club**, Brainware University
- Facilitated **Android Compose Camp** in GDSC BWU.
- Hosted **15+ Tech events & workshops** on Recent Technologies.

## EDUCATION

B.Tech. (CSE) - **9.5 CGPA**

**Brainware University**

August 2020 – Present

## PROJECTS

### E-SeptKart | [Link](#) | [Github](#)

- An Ecommerce website basically a flipkart clone that refers to buying and selling the products.
- React & Material UI** are being used for frontend & **Node JS, express** for backend as framework.
- Implemented scalable state management using **Redux**.
- Created own **REST API** to perform the **CRUD** Operations on data.
- Technology : **React, Express, NodeJS, Redux, MongoDB**

### Protein Sequence Classification | [Github](#)

- Performed data preprocessing steps, integer encoding & extracting feature columns for input.
- Developed a **BILSTM** model using the **Keras** library to analyze protein feature values and predict protein family names.
- Applied **feature scaling** by standardizing the input data using the **StandardScaler** and reshaped the input data to match the expected shape for the BILSTM model.
- Fine-tuned the hyperparameters of the model, including the **learning rate, regularization, and optimizer selection**.
- Employed techniques such as early stopping to prevent **overfitting** and improve model performance.
- Got **81%** accuracy on the model by training on different metrics.
- Technology : **Python | Keras | TensorFlow**

### Personal Portfolio | [Link](#) | [Github](#)

- Developed a personal portfolio website using **React & Material UI** framework to showcase my skills and projects effectively.
- Designed and implemented an interactive user interface with React components and Material UI, providing a seamless browsing experience for visitors.
- Used different functionality of React such as **Reach Hooks, React router** for scalability.
- Technology : **JavaScript | React | MUI**