# Shikha Lakra

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Final Year Undergraduate
Department of Computer Science and Engineering
**Portfolio :** shikhalakra22.github.io
**Codechef :** mad22

## Academic Qualifications

| Year | Degree/Certificate | Institute | CGPA/% |
|---|---|---|---|
| 2017 - Present | B.Tech | Indian Institute of Information Technology, Kalyani | 8.1/10 |
| 2016 | CBSE(XII) | O.P.Jindal School, Raigarh(C.G) | 79.8% |
| 2014 | CSSE(X) | Sanskar Public School, Raigarh(C.G) | 9.2/10 |

## Work Experience

- **STE (Intern)** *(Jan 2021-present)*
  **Mindfire Solutions**
  - Responsible for creating web automation testing scripts using selenium framework in Java.
  - Worked on Hybrid, Junit, TestNG Frameworks.
- **Data Science(Intern)** *(Sept 2020-Oct)*
  **Exposys Data Labs**
  - Responsible for creating customer segmentation using **K-means Clustering**.
  - It is now used to view user engagement metrics such as the identifying the potential customer for selling the product.

## Key Projects

- **4th year academic project Online Class Environment** Sept 2020-Nov-2020
  **Mentor:Prof.Debasish Bera**,Department of Computer Sciences.
  - A Django based E-learning Web-application including features: login/registration, join class using QR-code,file sharing system,Announcement in class, gets notification about class, joining multiple class at once.
  - **Tools:** Django, HTML, CSS, Bootstrap,PostgreSQL,Django REST Framework.
- **VideoMeets Web App** *(Jan 2021-present)*
  - Video Meeting is a video conference website with features Unlimited users,Messaging chat ,Screen sharing to present documents, slides.
  - **Tools:** ReactJS, Node.js, SocketIO
- **3rd Year academic Project: Indoor Localization** *(July 2019- April 2020)*
  **Mentor: Prof. Debasish Bera**, Department of Computer Sciences.
  - The network of devices(Wifi) used to locate people or objects in indoor environment.Techniques used such as **Fingerprinting, trilatertaion**.
  - The location of the person is predicted in the indoor scenario using KNN algorithm.
- **Blog Web App** *(Sept 2020)*
  - A Django based simple and extensible blog web-app where users can view blog-posts. Incorporated pagination for displaying limited posts per page. The admin can add, delete, update posts
  - **Tools:** Django, HTML, CSS, Bootstrap, SQLite, Heroku
- **Game of nim** *(Semester Project 2019)*
  **Mentor: prof.Sanjoy Pratihar**, Department of Computer Science and Engineering.
  - Created a game which makes it impossible for the player to win over the computer opponent. It is designed using the Nim sum algorithm to ensure higher likelihood of computer to win.
  - **Tools:** Java,Netbeans
- **Gender Classifier** *(July 2020)*
  - Implemented Convolution Neural Networks (CNN) for extracting image features.It is a classifier which diffrentiate between men and women Tested the model on the Kaggle dataset, abstract scenes images, and got 74 overall accuracy.
  - **Tools:** PyTorch.

## Technical Skills

- **Programming Languages and Frameworks:** C, C++,Java, Python, HTML/CSS, Javascript,Django, Bootstrap, PyTorch.
- **Database:** MySQL, PostgreSQL
- **Software and Skills:** Data Structure and Algorithms, Git, Heroku