# ARIJIT GOSWAMI

CS Undergrad | Data Scientist | Web Developer | Blockchain Developer

Aspiring Software Engineer with excellent problem-solving skills and ability to perform well in a team. Passionate about coding.

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## EDUCATION

### Bachelor of Technology
University of Engineering and Management

*2019 - Present*                                            *Kolkata*

*Bachelor of Technology CGPA - 9.5*

– Computer Science Engineering

## RESEARCH EXPERIENCE

### Junior Machine Learning Engineer
Omdena

*09/2021 - Present*

Projects

– Working on Building an AI Solution for **Optimization of Distributed Energy Resources**

### Data Science Intern
Neurolabs

*07/2021 - 09/2021*

Projects

– Worked on email classification using **BERT**

– Worked on Hand Gesture Recognition and increased model accuracy by **90%**

### Full Stack Developer
Gracehut Foundation

*04/2021 - 08/2021*

Projects

– Worked on a **Client Management System** helping them to scale up their business.

– Created different panels for **segregation of tasks** and created login panels for each section.

### Full Stack Developer
Oyesters Training

*07/2020 - 08/2020*

Projects

– Worked on a **Message Broadcasting System** and implemented additional feature of accessing messages through admin panel.

– Developed **bulk emailing system** in the backend.

– Worked on Dashboard, Provider Subscription. Improved efficiency of various systems by more than **80%**.

## SKILLS

Python   C/C++   Full Stack Development   SQL
MongoDB   Data Analytics   MS-Excel   Data Science
Java   Data Visualization   Tableau   Power BI

## RESEARCH PROJECTS

Handwritten Pattern Recognizer using Deep Learning & Neural Networks

– Made a handwriting recognizer using **deep learning** and **Convolutional Neural Networks**. Developed the **OCR** of this project.

– Some of the major functionalities include recognizing handwritten digits and characters from handwritten documents, and printed documents and also materials from any other digital source.

– Also included a special feature that is **text-to-speech recognition** in this project. In this text-to-speech recognition, it can convert to any other language which is convenient to the user.

– Demo of the Project: https://youtu.be/Xs7Ot9PO6so

Web-Based Dynamic Algorithm Visualizer along with Chat-Engine SDK for Neophytes

– Made a fully functional algorithm visualizer which can visualize any type of algorithms.

– This application has a proper **user authentication** page and it contains a tutorial section that explains the user about the entire functionality of the application.

– It has a dedicated **discussion section** that allows users to create multiple groups and resolve their doubts.

– Demo of the Project: https://algo-visualize-login-signup.vercel.app/ ⧉

Facial Mask Detection using Neural Networks and MobileNetV2

– Made a facial mask detection system using **Neural Networks** and **MobileNetV2** to detect more than one person at a time that they are wearing masks or not.

– Fetches global updates of Covid-19 cases using **Web Scraping**

Yoga Pose Classification using Deep Learning

– Developed a yoga pose classification system using a **Deep Learning model** and a two-step joint **coordinate classification model**

– Link for the project: https://github.com/Arijit1000/Yoga-Pose-Classification ⧉

## ACHIEVEMENTS

Lead a Developer Team of 50 people in the field of data science

Publication - Web-Based Dynamic Algorithm Visualizer Along with Chat Engine SDK for Neophytes Link: https://journals.resaim.com/ijresm/article/view/1290/1234 ⧉

Contributed to open source projects