## Saptarshi Bhattacharya

CSE Undergrad who is involved in various domains like Data Science & Analytics and Blockchains.

3 star (max 1640) <u>CodeChef</u> and 120+ Problems solved on <u>LeetCode</u>. Interested in Data Science, ML, Cloud, and Web 3.0.

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# ndia 🦞

## **EDUCATION**

## B.Tech in Computer Science and Engineering

Kalyani Government Engineering College

07/2020 - Present GPA - 9.79

# **High School Education**WWA Cossipore English School

04/2018 - 04/2020

96%

## **WORK EXPERIENCE**

### **Data Science Intern**

## Contelligenz

07/2022 - Present

Contelligenz provides AI-powered tools to create a successful content strategy and deliver a personalized content experience

#### Achievements/Tasks

- Building Data ETL Pipelines for pre-processing using SageMaker pipelines and S3 as a Data Lake
- Building Content Metadata Enrichment using In-house Content Database
- Working to create Ensemble Models for an implicit Recommender System

## **Backend Developer**

#### Coursenator

01/2022 - 04/2022

New Delhi

Coursenator is an EdTech organization aiming to get the best quality education to online learners

#### AchieveComents/Tasks

- Developed and maintained code for the Website including creating functionalities like login using third party services and search engine.
- Optimized search times and data retrieval times by almost 6 times.
- Worked on ML applications for contextual text correction and text suggestion, and course recommendation.

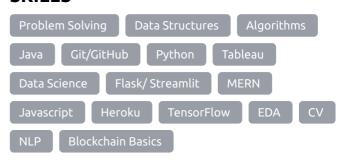
### **VOLUNTEER EXPERIENCE**

- 1. Co-Lead of Google DSC, KGEC (08/2022 Present) Leading and Coordinating Content, UI/UX, Outreach and Event Management Team
- 2. Mentor at InspireXHub (12/2021 Present)

  Mentoring in the Fields of Web Development and Machine Learning
- 3. Core Team member of KGEC, Entrepreneurship Cell (07/2021 Present)

Member of Web Development and Question Setting/Recruiting Team

## **SKILLS**



## **PERSONAL PROJECTS**

E-Faisla (08/2022 - Present) 🗹

- E-Faisla is a Keyword based Legal Document Search System using extracted text and keywords from Legal Documents
- Created and implemented the logic to read pdf text directly and using OCR In the case of Scanned PDFs
- Created keywords from the text using manual curation and Unsupervised algorithm called YAKE

#### Emotion Detection using CNN (04/2022 - Present)

- Created a workflow using CNN to predict emotion from a dataset of images
- Trying and Researching on Models for better performance
- Created a web app to predict the emotion of the uploaded image

## Sudoku Solver using CNN (06/2022 - Present) 🗹

- Making a ML Application to detect Sudoku puzzles from images or from images taken from webcam
- Solve Detected puzzles and display them to the user
- Working on Deploying the project to a web app using Flask or Streamlit

## **ACHIEVEMENTS**

1. Smart India Hackathon'22 India Finalist (08/2022 - 08/2022)

Created a product, with a team of 6 members, from scratch that used OCR and Unsupervised algorithms to search for Legal Documents.

2. GitHub Campus Expert '22 (04/2022 - Present)

Received mentorship on leading communities and support to organize events and sessions in my community.

3. Az-Dev Lead for Kolkata '22 (02/2022 - Present)

Organized Multiple sessions on various technical topics and work towards organizing hackathons and other events.

#### INTERESTS

Problem Solving Data Science & Analytics

Machine Learning | Cloud Technologies

Web 3.0