

# Chandrima Kabiraj

Kolkata, West Bengal, India • [chandrimakabiraj98@gmail.com](mailto:chandrimakabiraj98@gmail.com) • (+91) 8910161517

---

## Summary

A Full stack Developer with Knowledge of Cloud and AI, ability to develop end-to-end solutions, harness the power of cloud computing and integrate AI capabilities that empowers businesses to create innovative and data-driven applications that can provide a competitive edge in the digital marketplace. I believe in continuous learning and adaptability to stay updated with the evolving technologies in software development, cloud computing, and artificial intelligence.

[Portfolio website](#) | [LinkedIn](#)

## Professional Experience

### Software Engineer

*Nov 2023–Present*

Thomson Reuters, Bengaluru, India

- Frontend developer crafting visually appealing and highly responsive user interface that hosts media content and live videos from channels and servers across the Globe.
- I've implemented stream processing solutions using Kafka and Kinesis, enabling real-time data(video) processing for high-throughput applications alongside developing AWS lambda functions that handles multimedia conversion and processing.
- Volunteering as scrum master, proficient in Jira and Confluence, facilitate Agile processes and support team collaboration and productivity.

### Software Engineer 1

*Nov 2022–Nov 2023*

Ellucian , Remote

- Designed efficient user interface components using React.js, incorporating Redux, Flux, and Webpack to optimize webpage performance for maximum speed and scalability. Collaborated on backend development (using Django), integrating Microservices with 3rd party REST APIs and working closely with architects on innovative ideas and designs.
- Deployed SaaS applications on AWS (using EC2, Athena, API gateway, lambda, S3, RedShift), managing databases (DynamoDB/MongoDB/MySQL) using Nodejs/express framework.
- Experience in proficiently implementing CI/CD methodologies (Jenkins), test automation strategies(Python), and configuration management practices through CI/CD tools such as GitHub Actions and SonarQube to streamline development processes and ensure the delivery of high-quality software products.

### Programmer Analyst

*Sept 2021–Nov 2022*

Cognizant, Kolkata, West Bengal

- Integrated connection to databases both SQL or NoSQL using ORM/ODM clients for efficient and robust backend API's, optimizing queries to improve performance issues while data retrieval.
- Designing robust data storage solutions tailored to specific application requirements.
- Designing test automation scripts (invoking UI elements/intercepting API responses) using Playwright to automate regression. Involve tasks like data pre-processing, making graphical output plots, and GUI for small applications. Created web applications using Express.js and using it to render a website with live API data.

## Education

**Bachelor of Technology(concentration: Electrical),  
(GPA: 8.80/10.0)**

*Aug 2017-Aug 2021*

St. Thomas' College of Engineering and Technology

## Projects

### [Portfolio Website \(React, Bootstrap\)](#)

Created a responsive portfolio website with Email Functionality and includes smooth scrolling, fade-in animation, React Toastify (basic), React Owl Carousel and react type effect.

### [To-do App](#) (AWS, React and Node)

Created a CRUD application hosted on AWS using DynamoDB ,lambda and API gateway) built with Node.js on backend and React on the frontend .It also uses Auth0 authentication for enabling user authentication/Google authentication. This website lets users dive into the content wherever there is no internet by bringing in Service Workers or caching the essentials.

### [Open.ai API-React integration](#)

This is created with integration of Open Ai's API with a react frontend application which lets us query prompt to generate proper responses. Hosted on GitHub pages and the application calls to lambda handler through an API Gateway.

### [Sentiment Analysis Extension for Twitter](#) (AI, JavaScript, Natural Language Processing, Browser Extension)

Developed a browser extension that uses sentiment analysis to analyse the tweets on screen and display the results in a pie chart. The extension will use Chart.js, for creating charts and a pre-trained Machine learning model to perform sentiment analysis on the text of the tweets.

### [Video Streaming and editing app](#)

An application build using FFMPEG libraries which can stream and process live video in channels alongside cropping , merging and editing video files storing them in the form of video clips/GIF.

## SKILLS

★★★★☆ JavaScript and Python  
★★★★☆ React , Node/Express and Django  
★★★★☆ DSA & Algorithms  
★★★★☆ AWS  
★★★★☆ Docker  
★★★★☆ REST API  
★★★★☆ MySQL and MongoDB  
★★★★☆ Machine Learning  
★★★★☆ CI/CD, Automation

## Certifications

- ReactJs Developer certification from LinkedIn learning.
- Docker Essentials: A Developer Introduction from IBM.
- Machine Learning with Python from IBM.