

# Arkajyoti Mukherjee

## Software Developer

Maintainer @ LitmusChaos (CNCF Sandbox) | Software Engineer | Fullstack Web Developer | ReactJS | NodeJS | Golang | Flutter. Helped architect and worked on Enterprise SaaS platform.

✉ arkajyoti31@gmail.com

📍 Durgapur, India

🐙 github.com/arkajyotiMukherjee

📞 8906915529

🌐 linkedin.com/in/arkajyotimukherjee

📝 medium.com/@arkajyoti31

## EDUCATION

### Bachelor of Technology - BTech, Engineering KIIT University

06/2017 - 05/2021

8.97

#### Courses

- Data Structures, Algorithms, DBMS, OS, Discrete Mathematics

## WORK EXPERIENCE

### Software Engineer Chaos Native

02/2021 - 05/2021

Bengaluru, Karnataka, India

Get support for LitmusChaos. Get resilience through Chaos Engineering for cloud-native and hybrid environments.

#### Achievements/Tasks

- Working on an open source CLI for LitmusChaos called litmusctl with Golang, cobra and viper to create a cluster agent and execute Litmus CRDs in a cluster.
- Leading the frontend team in developing a portal for Litmuschaos.
- Created and Maintained an opensource UI library named litmus-ui (published in npm here: <https://www.npmjs.com/package/litmus-ui>).
- Working on creating the Unit testing setup for backend in golang.

### Software Engineer MayaData

05/2020 - 02/2021

Bengaluru, Karnataka, India

Delivering Data Agility - via open source OpenEBS and Litmus plus software and maniacal user support.

#### Achievements/Tasks

- Created the foundation and lead frontend developer for Litmus Portal, an on-prem portal that comes with LitmusChaos installation (CNCF sandbox project for Chaos Engineering).
- Created and lead the frontend team of Kubera (an enterprise SaaS platform) that involved various products like an OEM for Litmus Portal, Mayastor and other products related to data storage and backup in Kubernetes.
- Helped architect the frontend setup for Kubera SaaS.
- Build the main website for LitmusChaos (<https://litmuschaos.io/>) and an Experiment Hub for LitmusChaos (<https://hub.litmuschaos.io/>).
- Coached several employees on React, Typescript, GraphQL, Apollo and MaterialUI.

## SKILLS

React

Javascript/Typescript

Golang

HTML/ CSS

Gatsby

GraphQL/REST

MongoDB

Technical Writing

Git/Github

Project Management w/ JIRA/Asana

Remote debugging

Training employees in React

## PERSONAL PROJECTS

### Creating Jazz Music with LSTM (08/2019)

- Using LSTM (a RNN model) to create new music by training the neural network on existing music data.

### Kide (01/2020 - 05/2021)

- Helping Campus visitors to navigate the campus as a part of the KIIT hospitality. Also recognized by the University-wide national games, Khelo India to be a useful app during their stay.
- Created a community around the app which is now maintained by juniors.
- <https://play.google.com/store/apps/details?id=com.kiitdev.Kide>

### EEG Data Analysis and Classification with ML (09/2019)

- Data Cleaning, Artifact Removal using statistical methods and Classification between showing a face or not using EEG brain signals with Machine Learning.
- Published the paper in Springer-nature: [https://link.springer.com/chapter/10.1007/978-3-030-37551-5\\_14](https://link.springer.com/chapter/10.1007/978-3-030-37551-5_14)
- Also, Open sourced the research code here: <https://github.com/arkajyotiMukherjee/EEG-research>

## VOLUNTEER EXPERIENCE

### Mozilla Odisha Club Member (09/2018 - 03/2020)

Taught in various educational programs/seminars on web technologies and open source initiatives and organized Hackathons.

## CERTIFICATES

### Deep Learning - Coursera (01/2019 - 09/2019)

A five-part specialization course teaching Convolutional networks, RNNs, LSTM, Adam, Dropout, BatchNorm, Xavier/He initialization, and more.

### Wireless Sensor Networks - NIT Rourkela (12/2019)

An introduction to the field of wireless sensor networks and IoT, the protocols used and discussion of research avenues.

## LANGUAGES

English

Full Professional Proficiency

Hindi

Professional Working Proficiency

Bengali

Native or Bilingual Proficiency