

# Pranesh Mukhopadhyay

Kolkata, India

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## Skills

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**Programming Languages:** Python • C • C++ • JavaScript • R

**Frameworks:** TensorFlow • PyTorch • Keras • Numpy • Pandas • Matplotlib • Plotly • OpenCV

**Databases:** Extensive experience with MS SQL Server, PostgreSQL etc • NoSQL experience with MongoDB

**Tools:** Git • Docker • AWS EC2, S3, CloudWatch • Azure Blob Storage, ADX etc •  $\LaTeX$

## Education

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**St. Xavier's College**

**Kolkata, WB**

*Masters in Computer Science (MSc)* – University of Calcutta – 3.98 GPA

2018–2020

**Coursework:** Data Structures/Algorithms, Artificial Intelligence, Database Management Systems, etc.

**Activities:** Voyager Consulting, Debate Society of Berkeley, Computer Science Mentors, Daily Californian, UPE

**Asutosh College**

**Kolkata, WB**

*Bachelors in Computer Science (BSc)* – University of Calcutta – 3.98 GPA

2014–2018

**Coursework:** Data Structures/Algorithms, Computer Architecture, Computer Graphics, etc.

## Experience

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**Spiritzone**

**Navi Mumbai, MH**

*Consultant - Data Engineering*

Jun 2021–Aug 2021

- Design and develop a scalable, serverless tool to notify customers of service issues with a flexible API and CLI
- Rapidly test and iterate in an agile workflow, using Java/Typescript and AWS services (CDK/SQS/Lambda)

**Quosphere**

**Navi Mumbai, MH**

*Software Development Engineer Intern*

Jun 2021–Aug 2021

- Design and develop a scalable, serverless tool to notify customers of service issues with a flexible API and CLI
- Rapidly test and iterate in an agile workflow, using Java/Typescript and AWS services (CDK/SQS/Lambda)

## Projects

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**Spiritzone product Recommender System**

Dec 2019–Apr 2021

- Compiled a novel COVID-19 dataset using Census, NYT, JHU, DOT, and election data for 3,111 counties
- Published article detailing the relationship between political affiliation and COVID-19 via multiple regression

**Spiritzone Search API**

Dec 2019–Apr 2021

- Compiled a novel COVID-19 dataset using Census, NYT, JHU, DOT, and election data for 3,111 counties
- Published article detailing the relationship between political affiliation and COVID-19 via multiple regression

**RestDF**

Dec 2019–Apr 2021

- Compiled a novel COVID-19 dataset using Census, NYT, JHU, DOT, and election data for 3,111 counties
  - Published article detailing the relationship between political affiliation and COVID-19 via multiple regression
- 📄 [github.com/Mukhopadhyay/restdf](https://github.com/Mukhopadhyay/restdf)

## Certifications

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**Stanford - Machine Learning**

Dec 2019–Apr 2021

**Course instructor:** Prof. Andrew Ng • **Platform:** Coursera

- Compiled a novel COVID-19 dataset using Census, NYT, JHU, DOT, and election data for 3,111 counties
- Published article detailing the relationship between political affiliation and COVID-19 via multiple regression

**Data Science Math Skills**

Dec 2019–Apr 2021

**Course instructors:** Prof. Daniel Egger • Prof. Paul Bendich • **Platform:** Coursera

- Compiled a novel COVID-19 dataset using Census, NYT, JHU, DOT, and election data for 3,111 counties
- Published article detailing the relationship between political affiliation and COVID-19 via multiple regression