Pranesh Mukhopadhyay

Kolkata, India

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Skills

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

Frameworks libraries: TensorFlow • PyTorch • Keras • Numpy • Pandas • Malplotlib • Plotly • OpenCV • Flask • FastAPI • PyTest • AioHTTP

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

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

Spiritzone **Navi Mumbai, MH**

Consultant - Data Enginerring 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

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

Certifications

Stanford - Machine Learning Dec 2019–Apr 2021

Cource 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