

# KASTURI MITRA

Student at The University of Edinburgh

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in mitrakasturi

kasturimitra

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## EDUCATION

MSc in Data Science

The University of Edinburgh

Expected Graduation: August 2021

BSc in Computer Science (Honours)

University of Delhi

Graduated 2020

- Minor in Mathematics
- First Division, 9.28 CGPA

Delhi Public School, Gurgaon

CBSE, India

Graduated 2017

- Computer Science, Physics, Chemistry, Mathematics, English
- Standard XII : 92%
- Standard X : 10.0 CGPA

### Relevant Coursework

Programming in Java and C++, Calculus, Discrete Math, Linear Algebra, Data Structures, Design and Analysis of Algorithms, Database Management Systems, Artificial Intelligence, Machine Learning, Data Mining, Natural Language Processing

Completed multiple online courses on Data Science and Machine Learning

## EXPERIENCE

Data Science Intern

BioXcel Corporation

June 2019 - July 2019

Python

KNIME

PowerBI

- Scraped and cleaned large volumes of research publications
- Predicted drug-disease correlation using machine learning models
- Integrated Python within KNIME to automate processes
- Produced and presented relevant reports and visualizations

Data Science Intern

M1xchange

May 2018 - June 2018

R

Pentaho

- Predicted risk profiles for various suppliers using historical financial data
- Created interactive reports to understand client profiles

## ABOUT ME

I am a student at The University of Edinburgh, currently working towards a master's in Data Science. I love exploring both numeric and textual data to find patterns and meanings using machine learning models. I am interested in expanding my knowledge and applying skills to make significant contributions to the real world. I have pursued projects both on my own and at internships.

I am also an avid reader, writer, photographer and occasionally hike during weekends.

## SKILLS

Fluent in:

Python

C/C++

R

Java

SQL

PHP

HTML/CSS

Markdown

LaTeX

Familiar tools:

pandas

numpy

scipy

sklearn

matplotlib

ggplot

seaborn

git

Tableau

KNIME

PowerBI

Android Studio

## PROJECTS

### Visualizing World Data

[Github Page](#)

December 2018 - January 2019

Tableau

- Used publicly available socio-economic data
- Created relevant visualizations to find patterns in the various factors
- Interpreted the results by correlating with real world knowledge of countries

### Text Analysis of a Novel

[Github Repository](#)

June 2018 - July 2018

R

- Used text from my novel (White Hole)
- Created visualizations for frequencies, correlations, and sentiments
- Used sentiment-per-section to infer and understand personal growth as a writer

## ACTIVITIES

### Organizer for Automata | 2019

Inter-college computer science symposium

### Founding Member of Pixelated Coders | 2019

College tech club; organized advanced Computer Science workshops

### Writer and publisher of White Hole | 2017

A self-published science fiction novel on Amazon

### President, Redshift | 2016-17

School physics club; member since 2015

### Organizer for Capax Infinitum | 2016

Inter-school science symposium

### Member of NODE | 2015-17

School computer club

### 1<sup>st</sup> prize in CreateX, AlphaNode | 2015

Inter-school web development event

### Part of Indo-French Exchange | 2015

## CERTIFICATIONS

### International English Language Testing System (IELTS)

**British Council; IDP**

2019

Band 8.5

### Cyber Forensics

**Innovians Technologies**

2019

### Diplôme d'études en langue française (DELF)

**Ministère de l'Éducation nationale**

2014

A2 level

## HOBBIES

Photography

Reading

Writing

Travelling

Critiquing movies

Hiking