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# Thulani Ncube

## Data Science Student Intern

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### SUMMARY

A curious and highly collaborative tech enthusiast that is passionate about Machine Learning and Artificial Intelligence. Enjoys working on projects that allow experimenting with innovative technologies.

Looking for roles within Data Sciences, Machine Learning and Software Development to apply and expand problem solving skills thus having a positive contribution to society.

**Programming Languages:** C++, Java, Python

**Web Technologies:** HTML/CSS/JavaScript, ReactJs

**Mobile Development:** Flutter, React-Native

**Additional:** Git, Heroku, SQL, Firebase, Linux

### EDUCATION

**Explore Data Science Academy** - *Data Science Student Intern*

JANUARY 2020 - PRESENT

**University of Johannesburg** - *BSc Mathematical Sciences (majors Applied Mathematics and Computer Sciences)*

JANUARY 2015 - JUNE 2020

### PROJECTS

**ETL Pipeline Eskom SA ([Github](#))** - *(Python, Tweepy, Pyodbc, SQL)*

MARCH 2020

- Developed ETL pipeline that connects to Twitter with Tweepy (a Twitter API) and scrapes for Eskom SA tweets.
- It cleans and processes the data and updates an SQL database in an appropriate format for future analysis.
- Learned to develop a framework for scraping, cleaning and processing data from the internet and updating an SQL database.

**Tip-Off App ([Github](#))** - *(Flutter, Firebase, Firestore)*

DECEMBER 2019

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- Developed cross platform app with [Flutter](#) that allows users to report crimes anonymously to relevant institutions/departments.
  - Set up Google's [Firebase](#) for user authentication, data storage and retrieval.
  - Learnt cross platform mobile development, useful design patterns for data communication to achieve seamless user experience and efficient use of third party backend services for security.