

# Akuthi April

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## EDUCATION

### UNIVERSITY OF WESTERN CAPE

BSC IN PHYSICAL SCIENCE(PHYSICS)

2020 - 2022

## LINKS

**GitHub:** <https://github.com/Akuthi-A>

**LinkedIn:** [www.linkedin.com/in/akuthi-april-17a53238](https://www.linkedin.com/in/akuthi-april-17a53238)

## COURSEWORK

### UNDERGRADUATE

OOP (in Java)

Operating Systems

Computational Physics

Calculus

Machine Learning

Databases

Software Engineering

Computer Networks

Data Structures

Algorithms

Human-Computer Interaction

## SKILLS

### PROGRAMMING

Proficient:

Python

Familiar:

HTML • CSS • Java • JavaScript • Bash

Novice:

C • Bootstrap • SQL • Pandas

### OTHER

Git and GitHub • VS Code

## EXPERIENCE

### Allan Gray Proprietary Limited | Software

Developer Internship

Jul 2022

- Worked along a team to research and develop a dynamic templating project using Python and Django.
- Presented the project, findings, and business suggestions to the IT department and executives, using PowerPoint.

### UNIVERSITY OF THE WESTERN CAPE |

TUTOR

Feb 2022 - Oct 2022

- Tutoring 1<sup>st</sup>-year Calculus students.
- Marking of students' scripts.

## PROJECTS

### PING-PONG GAME

- Built a multiplayer pong game in Python.
- Components of the game implemented using OOP and Python Turtle Library

### PASSWORD MANAGER

- Built password manager app in Python.
- UI built using the Tkinter library.
- Optional passwords generated by a password manager.
- Utilized JSON to store and retrieve user passwords of emails for each respective website.

### STOCK TRADING NEWS ALERT

- Stock monitoring project that generates real-time notifications when stock prices fluctuate by 5%, leveraging the alpha Vantage Restful API to obtain weekly stock prices for the selected stock.
- Utilized a news API to collect headlines related to the chosen stock, thereby providing valuable insights and contextual information to the user.
- Implemented the Twilio API to deliver customized news alerts to users, ensuring timely updates on significant changes in the stock market.

## ACHIEVEMENTS

2022 2nd place award for a coding competition hosted by my Computational Physics lecturer.

## INTERESTS

Web development, FinTech, Astronomy.