

Sammy Nyakabau

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EDUCATION

ASHOKA UNIVERSITY

BSc. IN COMPUTER SCIENCE (HONS.)

May 2022 (Exp.) | Sonipat, India

Cum. GPA: 3.59 / 4.0

Major GPA: 3.5 / 4.0

Honors: Dean's List 2020 (Spring)

FREECODECAMP

FULL STACK WEB DEV

CERTIFICATION

Graduated 2020 | Online

ST FAITHS HIGH SCHOOL

Grad. Nov 2018 | Rusape, Zimbabwe

LINKS

Github:// [Sammy-Nyakabau](#)

LinkedIn:// [sammy-nyakabau](#)

Hackerrank:// [nyakabausammy8](#)

Glitch:// [@Sammy-Nyakabau](#)

CodePen:// [sammy-nyakabau](#)

COURSEWORK

UNDERGRADUATE

Introduction To Computer Programming

Advanced Programming

Computer Organization and Systems

Discrete Mathematics

Probability and Statistics

MOOCS

Responsive Web Design

JavaScript Algorithms and Data

Structures

Frontend Libraries

APIs and Microservices

SKILLS

TECHNICAL SKILLS

Proficient with:

JavaScript (ES6) • React/Redux • Node.js

Python 3 • HTML5 • CSS3 • JQuery

C++ • VB.Net • \LaTeX • Git • MongoDB

Familiar:

Java • C • React Native • MySQL

SOFT SKILLS

Strong:

Public Speaking • Leadership • Tutoring

Resourcefulness • Initiative

Hardworking • Storytelling

EXPERIENCE

NETWORK ARMAINTE | RESEARCH ASSISTANT

Nov 2020 - Present

Currently assisting **Professor Danny Arlen de Jesús Gómez-Ramírez** in his research on Artificial Mathematical Intelligence (AMI)

- the main goal of the research is the Creation of a Multidimensional Cognitive **Artificial Intelligence** being able to solve domain-specific problems using highly-technical **mathematical models** in (specialized sectors of) business, industry, as well as highly complex technical challenges involved in the development of (sustainable) cities, climate change and related issues. In particular, it will be able to solve mathematical (and subsequently financial, economic and medical math-related) problems of any level of sophistication and to explain in a human-style way how such a solution was found in terms of the most important cognitive abilities our mind uses for abstract creation/invention

GALILEO | STEM TUTOR

Sept 2019 - Present | San Francisco, CA

Currently working full-time as an online Stem Tutor for Galileo which is a self-directed online institution. My job description includes but is not limited to;

- Administering weekly online classes to teach **Computer Programming** in **Python** and **JavaScript** and also helping students understand difficult **Math** concepts through the use of various online platforms
- Communicating with parents/guardians about trouble areas or any other issue that requires attention
- Assessing student progress and making decisions on efficient ways to create a better learning environment
- Suggesting program or curriculum improvements to school administrators
- Maintaining required records for all completed classes

COLLEGE BLOOM | WEB DEVELOPER

Nov 2019 - Present | Pescara, PE, Italy

Currently working part-time as a remote Web Developer for College Bloom which is an educational consulting practice. My job description includes but is not limited to;

- Developing Website using a Squarespace (Website Builder) template
- Adding custom **HTML**, **CSS** and **Markdown** to improve the site's aesthetics
- Injecting custom **JavaScript** code to add functionality such as online chat, customizing forms and adding custom validation, etc
- Improving the overall site's SEO by connecting it to **Google Analytics**, customizing url slugs, structuring website content, using content links to connect pages on the site to each other and adding relevant page descriptions
- Resolving UI Bugs and maintaining typography

PROJECTS

AKS PRIMALITY TESTING | GITHUB

March 2020 - April 2020 | Sonipat, India

Implemented the AKS Primality Testing which is a deterministic primality-proving algorithm created and published by Manindra Agrawal, Neeraj Kayal, and Nitin Saxena.

- Worked under **Prof Goutam Paul** (ISI, Kolkata) to complete this project as part of my Discrete Mathematics course
- Wrote the initial implementation of the algorithm using **Python 3**
- Since Python cannot be run in the browser, made use of **Brython**, **HTML**, **CSS** and **Bootstrap** to develop the user-interface