

Sammy Nyakabau

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EDUCATION

ASHOKA UNIVERSITY

BSC. IN COMPUTER SCIENCE (HONS.)

May 2022 (Exp.) | Sonipat, India

Cum. GPA: 3.43 / 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](#)

SKILLS

FUNCTIONAL SKILLS

Expertise in:

Technical Instruction

Communications and Teamwork

Multidisciplinary Research

Developing and Leveraging Databases

Full-Stack Development

Digital Project Management

TECHNICAL SKILLS

Proficient with:

JavaScript (ES6+) • React/Redux

Node.js • Python 3 • HTML5 • CSS3

Java • C++ • VB.Net • \LaTeX • Git

MongoDB • PostgreSQL • Django

Firebase

Familiar:

C • React Native • MySQL

SOFT SKILLS

Strong:

Public Speaking • Leadership

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), i.e. the theoretical and practical foundations of software able to solve mathematical conjectures with a human-style output.

- **Multidisciplinary Research:** collaborating with Prof Danny in the Creation of a Multidimensional Cognitive **Artificial Intelligence** being able to solve domain-specific problems using highly-technical **mathematical models**.
- **Communications and Teamwork:** coordinating biweekly meetings with Prof Danny to discuss in depth the underlying conjectures of AMI research and analysing the possible applications 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.

GALILEO | LEARNING EXPERIENCE DESIGNER

Sept 2019 - Present | San Fransisco, CA

Currently working full-time as an online tutor for Galileo which is a self-directed online institution.

- **Technical Instruction:** administering weekly online classes (80+ students) to teach Computer Programming in **Python** and **JavaScript** using Code Combat coding platform and also providing 1 on 1 Math tutoring. Assessing student progress and making decisions on efficient ways to create a better learning environment
- **Communications and Teamwork:** communicating with parents/guardians about trouble areas or any other issue that requires attention. Coordinating with other learning experience designers on curriculum changes and effective teaching practices.
- **Full Stack Development:** instructing a group of 15+ teen students on JavaScript full-stack development using React.js for the front-end and Node.js for the back-end.

COLLEGE BLOOM | SOFTWARE DEVELOPER

Nov 2019 - Present | Pescara, PE, Italy

Currently working part-time as a remote Software Developer for College Bloom which is an educational consulting practice.

- **Full Stack Development:** currently migrating the original SquareSpace site to a JavaScript Web App built using **Next.js**, **React.js** and **Firebase**.
- **Developing and Leveraging Databases:** maintaining a **NoSQL** Firestore database on Firebase to keep track of relevant site data such as blog posts, SAT resources, etc.

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