Snaye Sotashe

Full-stack Developer, a multi-times hackathon winner, 2020 Mern stack web development international top 10 hackathon winner. I was selected by a panel of judges and voted by the public as one of the Top 15 Young Geeks in South Africa for the year 2021. I led the Unizulu team that won the CSIR Data Science Hackathon. I also represented the University of Zululand's Computer Science department at the 2021 IEEE/ACM 43rd International Conference on Software Engineering (ICSE) held in Madrid, Spain, and presented my deep learning project. I'm a Deep Learning Enthusiast.

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Snaye Sotashe
Cnae6
Snaye Sotashe
Code With Snaye

OBJECTIVE

To obtain a job within my chosen field that will challenge me and allow me to use my education, skills and past experiences in a way that is mutually beneficial to both myself and my employer and allow for future growth and advancement.

LANGUAGES

English
Fluent

IsiXhosa
Native Tongue

IsiZuLU
Fluent

WORK EXPERIENCE

Smart My Company (November 2020 – June 2021)
Software Engineer Intern

IEEE Computer Society (May 2021 – June 2021)
2021 IEEE/ACM 43rd International Conference on Software Engineering (ICSE)
ICSE 2021 Virtual (originally in Madrid, Spain) from May 17, 2021 to Friday, June 4 2021
43rd ACM/IEEE International Conference on Software Engineering
ICSE, the IEEE/ACM International Conference on Software Engineering, is the premier software engineering conference. Since 1975, ICSE provides a forum where researchers, practitioners, and educators gather together to present and discuss the most recent innovations, trends, experiences and issues in the field of software engineering.
I attended the following events: Registration Information:
Registration Items: Snaye Sotashe, A-la-carte Workshops, and Co-located Events Sessions: Snaye Sotashe, MSR Attendee

MTN Business (July 2020 – August 2020)
Android app Developer
About: 6- week online coding and business solution programme which focuses on skill enhancement for a future career in mobile app development. Task: Participate in a 72 hour virtual hackathon, in collaboration with a team, to develop a mobile app that will help in mitigating the impact of current social issues in South Africa.

Zaio (April 2020 – June 2020)
Full stack Web Developer
DevJam2020. The ultimate challenge to find the world's baddest and greatest MERN stack developer team. Six grueling weeks of pure code and passion with $3500 in total cash prizes.
Stacks:
- React
- Node js
- Express
- MongoDB
- Heroku

University of Zululand (February 2020 – May 2020)
Culculus II (maths) Tutor

JavaScript freelancer (November 2019 – September 2020)
Freelance, self-employed
Stacks:
- JavaScript
- ReactJS
- AngularJS
- VueJS
- Node.js (for backend)
- React Native (for cross platform mobile applications)
- Heroku(fullstack web hosting)
- Netlify (Static web hosting)

Java Tutor (May 2019 – November 2020)
University of Zululand

Python Tutor (February 2019 – August 2020)
University of Zululand

california dreaming (April 2016 – January 2017)
Waiter

Moyo (February 2015 – January 2016)
Waiter
- Worked passionately in customer service in a high volume restaurant.
- Completed the FAST customer service training class.
- Maintained a high tip average thanks to consistent customer satisfaction.

EDUCATION

University of Zululand (January 2017 – February 2020)
B.Sc Computer Science & Applied Mathematics

Mangosuthu University of Technology (January 2014 – December 2015)
Civil Engineering

Ndaliso Senior Secondary School
Matriculated in 2013

THINGS I'VE WORKED ON

Reactive Resume Builder
https://snayes.netlify.app/
Reactive Resume builder that works for you. A few of the important features that make it awesome are minimalistic UI/UX, extensive customizability, portability, regularly updated templates, etc.
For more information, check out https://snayes.netlify.app/

OpenDoor_LMS
https://snayes.netlify.app/
A learning management mobile app for high schools. I developed this app during the MTN business app of year, along with friends.

PEDESTRIAN SAFETY SYSTEM
https://snayes.netlify.app/
A Deep learning mobile camera app that uses the back camera of mobile phone to detect vehicles on the road and notify pedestrians of any coming vehicles when crossing the road. Especially when a pedestrian is on the phone call. This was my final year project and I passed with a distinction.

Portfolio Website
https://snayes.netlify.app/

South African Covid -19 Vulnerability Map
Developed during CSIR with my team. We extracted South African Census data and developed a state-of-the-art machine-learning algorithm that helps the government more accurately map COVID-19 risks in 2021, without requiring a new costly, risky, and time-consuming on-the-ground survey. Our main objective was to predict the percentage of households that fall into a particular vulnerability bracket using South African census data. We used the algorithm results to calculate the total number of people who fall into the vulnerability bracket in excluding the already confirmed COVID-19 cases.

CreativeLizard
https://www.creativelizard.co.za/
CreativeLizard (PTY) LTD is a full-service app/ software developer and digital creative agency based in South Africa. I freelance with my friend.

creativelizard
http://snaye.pythonanywhere.com/
I'm currently revamping the site.

NOTABLE SKILLS

Blogging
Developing Resumes
Website development
Android mobile app development
JavaScript
React
Java
Flutter
Python
Data Structures
Design patterns
Deep Learning
Team Leader/Problem Solver
Teambuilding & Training

AWARDS

Top 10 Devjam international hackhathon November 2020
Zaio
http://www.science.unizulu.ac.za/cs/unizulu-student-in-top-ten-of-international-hackathon/

Top 15 young geek in South Africa
Geekulcha
https://www.geekulcha.dev/young-geeks/snaye-sotashe

CSIR Data Science Hackathon 2021 winner
CSIR
http://www.unizulu.ac.za/unizulu-takes-3rd-place-in-csir-datathon-challenge/

CERTIFICATIONS

The complete React Native course(2nd edition) April 2020
Udemy

MTN Business mobile app academy November 2020
MTN

Mern stack Hackhathon October 2020
Zaio

Next.js Dev to Deployment April 2021
Udemy

custom object detection on Google colab & android deployment March 2021
Udemy

2021 IEEE/ACM 43rd International Conference on Software Engineering (ICSE)
IEEE Computer Society

REFERENCES

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University of Zululand

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DONT WASTE SHARED SERVICES

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Founder & CEO at Zaio
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Nobubele Shozi
Senior Researcher and Software Developer
nshozi@csir.co.za
CSIR

Mixo Ngoveni
CEO/Founder at Geekulcha
074 373 0639
4otune@gmail.com
MTN business app of the year.