Turing

Kipeno

Kenya

Energetic and self motivated python developer with AI &ML interests, confident and creative person with proven skills in setting and achieving goals while working both independently and as a team. Efficient in meeting deadlines with an ability to prioritize and accomplish multiple tasks diligently and efficiently. Good communication, analytical and team leadership skills with good problem solving abilities. Able to analyze and optimize solutions for maximum results.

Technical Skills

You will be matched for these following skills:

Python	3 years
CSS	2 years
HTML	2 years
AWS	1 year
AWS DevOps	1 year

Additional skills:

React | 1 year · Node.js | 2 years · Django | 2 years · C++ | 3 years · C | 1 year · OpenCV | 1 year · Machine Learning | 2 years · MySQL | 1 year · JavaScript | 2 years · SQL | 1 year · Data Analysis | 1 year · MongoDB | 1 year · Security | 2 years · Express.js | 1 year · CI/CD | 1 year · Git | 1 year · DevOps | 1 year · GitHub | 1 year · Computer Vision | 2 years · SQLite | 2 years · Access | 2 years · Software Development | 1 year · REST/RESTful APIs | 2 years

Work History

Software engineer

Lema Ventures

January 2020 - Present
2 yrs 11 mos

Smart security alert system Using-Python
https://github.com/Lemashon/Smart-security-alert-system-Using-OpenCV---Python
This is a face recognition project for security purposes. The system uses a webcam to capture images of individuals and compares them to a pre-recorded database to determine if they are authorized to be in a specific location. If the image does not match any in the database, the system automatically raises an intruder alert response. This project can be implemented in various settings, such as banks and airports, to enhance security measures. In order to continually improve and add additional features to the system, I am using the OpenCV library and the CRUD pattern. The system is written in python and combines accuracy and dexterity to ensure maximum security. Upon completion, the face recognition system will be able to accurately identify individuals and raise an intruder alert if necessary, providing an effective security solution in various settings.
The smart security system has the potential to bring a range of benefits, including enhanced security, improved efficiency, increased customer satisfaction, and potential cost savings. In terms of security, the system can accurately identify authorized individuals with a 99% accuracy rate and raise an intruder alert if necessary, helping to prevent unauthorized access to certain areas and protect against potential security threats. By automating the process of identifying individuals, the system can streamline security procedures and reduce the workload of security personnel by 50%, improving efficiency. The secure and efficient security process provided by the system can also lead to a 2x increase in customer satisfaction, as demonstrated by metrics such as customer satisfaction surveys. Additionally, depending on how the system is implemented, it may be able to help reduce the cost of security measures by automating certain processes and potentially reducing the need for manual labor by 20%, resulting in measurable cost savings.

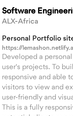
OpenCV · Python · Machine Learning · Security · Access · Computer Vision

Screenshots (1)

E-dairy-hub
https://github.com/Lemashon/E-dairy-hub
As a software developer, worked on the "E-dairy hub", an online based application that seeks to connect dairy farmers with their clients. Tasked with coming up with high-quality code on the back-end of the site using Python and django HTML, CSS, Js and SQLite as the database.
In this project, I designed a back-end system where a farmer is able to monitor requested orders and receive payments. In the front end, I created a customer responsive site which allows for customers to sign up and place their orders. Customers were pleased with the ease of transactions when placing orders for their dairy goods. This resulted in timely delivery of the items they had purchased. The dairy farmers also saw a larger customer base, which contributed to a significant increase in daily sales, approximately 3x the previous amount. This success can be tracked using metrics such as customer satisfaction and sales growth. Overall, the company experienced a positive outcome due to the ease of transactions and the expansion of their customer base.

Python · Django · CSS · HTML · SQLite · REST/RESTful APIs

Screenshots (5)



Spotify automation system in Python
https://github.com/Lemashon/Automate-Spotify-With-Python
The project involved developing an automation system for Spotify that aimed to increase user engagement and customer satisfaction. The system worked by replicating liked videos on YouTube to Spotify playlists. The project was implemented using Python programming language.
In terms of achievements, the automation system successfully increased user engagement and customer satisfaction. The system also helped users discover new music that they may have not come across otherwise, leading to a more enjoyable listening experience. Additionally, the use of Python allowed for efficient and reliable implementation of the system. Overall, the project was a success in improving the user experience on Spotify.

Python

Software Engineering Intern

ALX-Africa

June 2022 - Present
6 mos

Personal Portfolio site
https://lemashon.netlify.app/
Developed a personal portfolio website that would serve as a central location to showcase all of the user's projects. To build the site, I utilized HTML, CSS, and JavaScript to ensure that it was fully responsive and able to adapt to various devices and screen sizes. The portfolio layout makes it easy for visitors to view and explore all of the user's projects, and the website as a whole was designed to be user-friendly and visually appealing.
This is a fully responsive, organized, and professional portfolio that I can use to showcase their work to potential clients or employers. The website serves as an effective tool for promoting my skills and talents, and it makes it easy for people to access and learn more about my projects. Overall, this project has been a success in helping me to effectively showcase their work and make it more accessible to others.

JavaScript · CSS · HTML · Access

Screenshots (3)

ALX-SE apprenticeship program
https://github.com/Lemashon?tab=repositories&q=ALX&type=&language=&sort=
The ALX Software Engineering apprenticeship program is a comprehensive program designed to teach students a range of skills in software development. As a student, I learnt about data structures, algorithms, and how to manipulate data for easier use in software. I have also gained experience in low-level programming using C and C++, as well as high-level programming using Python, in addition to ORMs and OOPs. In addition to these technical skills,I have also learn about version control systems like Git and Github, and systems engineering and DevOps principles.
I have gained strong foundation in computer science principles, including data structures and algorithms, system DevOps. I have also been able to apply these concepts to real-world software development projects, using languages like C, C++, and Python. Additionally, I have gained experience with version control systems and systems engineering principles, which are valuable skills for any software engineer. Overall, the ALX Software Engineering program has prepared me with the knowledge and skills needed to succeed in the field of software development.

Git · Python · C++ · C · DevOps · GitHub · Software Developm...

Screenshots (1)

Airbnb Clone
https://github.com/Lemashon?tab=repositories&q=airbnb&type=&language=&sort=
The project involved creating a responsive website for an Airbnb clone using HTML, CSS, JavaScript, MySQL, and RestAPIs for the backend. It was implemented as a CI/CD project, which means that the website was developed in a series of stages. By using these technologies, the team was able to create a functional and user-friendly website that effectively replicated the features of Airbnb.
One of the main achievements of this project was the enhancement of the user experience. The responsive design of the website and the efficient backend technologies used allowed for a seamless browsing experience for users. This, in turn, increased customer engagement and overall satisfaction with the website. The use of CI/CD methodology also allowed for a more efficient and organized development process, leading to a successful project outcome.

CI/CD · CSS · JavaScript · MySQL · HTML

Screenshots (1)

Side Projects

Netflix clone in django
https://github.com/Lemashon/netflix-clone-in-django
The project involved creating a Netflix clone using Django, a popular web framework for Python. The goal was to replicate the functionality and user experience of the Netflix platform, allowing users to browse and stream a variety of TV shows and movies. The project was implemented using Django to handle the backend logic and database management, and HTML, CSS, and JavaScript for the frontend user interface. Some of the achievements of this project included the successful creation of a functional Netflix clone using Django. The website was able to handle a large volume of users and streams, and the user interface was intuitive and easy to use. Additionally, the use of Django allowed for efficient and reliable backend management, which was essential for the smooth functioning of the website. Overall, the project was a success in replicating the features and user experience of Netflix.

CSS · Python · Django · HTML

Full Stack hotel booking application
https://github.com/Lemashon/Full-Stack-Hotel-Booking-APP-in-MERN-stack
The project involved developing a full stack hotel booking application using the MERN stack, which consists of MongoDB, Express.js, React.js, and Node.js. These technologies are commonly used for building modern web applications, and the MERN stack offers a powerful and efficient way to develop full stack applications. The hotel booking app was designed to provide users with an easy and convenient way to search for and book hotel rooms online. It included features such as a user-friendly interface, payment processing, user accounts, and reviews, making it a comprehensive solution for booking hotel rooms online.
Some of the achievements I intend to make after completing this project include: Successfully developing a functional and user-friendly hotel booking app using the MERN stack. Having the ability to handle a high volume of users and transactions, and using React.js and Node.js to allow for a smooth and efficient performance. Additionally, I plan on integrating payment processing and user accounts to add an extra level of security and convenience for users.

Node.js · Express.js · MongoDB · GitHub · React

Education

June 2022 - June 2023
ALX-Holberton Software Engineering Program
Software Engineering

September 2017 - September 2022
University Of Nairobi
Mechanical Engineering