

# Mohameddeq Abdi

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## SUMMARY

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Creative and results-driven Full-Stack Web Developer with extensive experience in building dynamic and user-centered web applications. Adept at both front-end and back-end development, specializing in React and Python frameworks like Django and Flask. Strongly skilled in Cybersecurity, with a focus on penetration testing, network security, and utilizing tools like Metasploit, Nmap, and Wireshark for vulnerability assessment. Known for solving complex problems, adapting to new technologies in fast-paced environments, and delivering high-quality, scalable solutions. Eager to leverage my combined expertise in web development and cybersecurity to drive innovation and contribute to impactful projects in the tech industry.

## EDUCATION

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2023 - present Bachelor's Degree in Computer Science at **USIU-Africa**, Kenya

## SKILLS

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<b>Frontend Development</b>	Proficient in developing interactive and responsive web applications using React, HTML, CSS, and Tailwind CSS.
<b>Backend Development</b>	Skilled in backend development with Python frameworks like Django and Flask.
<b>Database Management</b>	Proficient in database management with PostgreSQL and SQL.
<b>Cybersecurity</b>	Proficient in network security, penetration testing, cryptography, and ethical hacking. Experienced in using tools like Metasploit, Nmap, and Wireshark for vulnerability assessment and analysis.
<b>Security Tools</b>	Skilled in using security tools such as Burp Suite, Kali Linux, Metasploit, Nmap, and Wireshark for web application and network security testing.
<b>Ethical Hacking</b>	Experienced in performing penetration tests and vulnerability assessments to identify and mitigate security risks.
<b>Cryptography</b>	Understanding of cryptographic protocols like SSL/TLS, encryption, and hashing algorithms.
<b>Languages</b>	Proficient in JavaScript, Python, SQL, and familiar with Bash.
<b>Version Control</b>	Experienced in using Git for version control and collaboration in development projects.

## PROJECTS

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### USIU Mood Tracker

<https://usiu-mood-tracker.netlify.app/>

- **Spearheaded** the end-to-end development of the **USIU Mood Tracker**, a groundbreaking application tailored to meet the needs of students and educators at USIU.
- Architected both **front-end** and **back-end** components of the platform, integrating user-friendly interfaces with robust back-end functionalities.
- Developed a visually engaging and intuitive front-end, allowing students to **log their moods** and interact with the platform seamlessly using **React.js**.
- Implemented advanced **data visualization** and **analytics** on the front end, providing educators with actionable insights into class dynamics and student well-being.
- Worked closely with back-end developers to design and implement secure **API endpoints**, including **JWT authentication**, ensuring smooth data communication between front and back ends.
- Utilized **React.js** for the front end to deliver a rich user experience and **Flask** for the back end to manage interactions with **Mood API endpoints**.

### Ark Arcade Ltd

<https://ark-arcade.vercel.app/>

- Developed a comprehensive business platform for **Ark Arcade Ltd**, offering a diverse range of goods and services, including **machinery**, office supplies, **lab equipment**, and computer software.
- Designed and developed the website using **React.js** to create a smooth, responsive, and user-friendly interface.
- Included features for customers to explore products, services, and access client-centric solutions, reinforcing the company's commitment to **quality** and **innovation**.

## EXPERIENCE

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### Intern - Social Media Research    Simealb

*March 2024 - Present*

*Simelab-USIU*

- Assisted in data collection from various social media platforms using relevant tools and APIs.
- Cleaned and preprocessed data to ensure data quality and accuracy.
- Conducted exploratory data analysis (EDA) to identify patterns, trends, and anomalies.
- Built and maintained data pipelines for efficient data processing.
- Developed data visualizations using appropriate tools (e.g., Tableau, Power BI, Python libraries) to communicate insights effectively.