

MAGINO DANIEL



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BIO-DATA

Marital status	Single
Sex	male
Date of birth	28th August 1999
Nationality	Ugandan
Religion	Christian

PERSONAL STATEMENT

I'm a passionate Computer Science graduate from Makerere University who enjoys using technology to solve real-world problems. I work well in teams, adapt quickly to new environments, and take pride in delivering dependable IT solutions. I'm eager to continue learning and contribute positively to an organization that values growth, innovation, and collaboration.

EDUCATIONAL BACKGROUND

2022 – 2025 MAKERERE UNIVERSITY

- Bachelors of Science in Computer Science

2019 – 2022 MAKERERE UNIVERSITY BUSINESS SCHOOL

- Diploma in Computer Science

2017– 2018 ST KIZITO S.S BUGOLOBI KAMPALA

- Uganda Advanced Certificate of Examinations (UACE)

2012 – 2016 ST KIZITO S.S BUGOLOBI KAMPALA

➤ Uganda Certificate of Examinations (UCE)

2005 – 2011 HILLTONE PRIMARY SCHOOL MBUYA - KAMPALA

➤ Primary Leaving Examinations (PLE)

SKILLS AND ACHIEVEMENTS

✓ Skills:

Artificial Intelligence/Machine Learning Models (AI/ML)

Proficient use of AI/ML python libraries such as Seaborn, NumPy, TensorFlow, Open CV, etc., to build classification models and also Generative models using (Retrieval Augmented Generation) RAG.

Web Development (Custom Web applications)

Proficient use of Frame works and programing languages including Python (Django, Flask and streamlit), PHP (Laravel, code ignitor) and Nextjs to build Custom web applications.

Web Design (Content Management systems)

Proficient use of Content management systems including WordPress, Drupal to build websites.

Mobile Apps (Cross platform apps using Flutter)

Proficient use of Flutter a cross-platform development framework for developing mobile apps. (single code base that targets multiple platforms like Android, IOS, Windows)

Graphics Design (UI/UX)

Proficient use of Design tools such as Figma, Canva, Adobe InDesign to design logos, business cards, website mockups, etc.

Participatory Mapping

Proficient use of Mapping tools like OSM and Hot tasking Manager to map places, houses, roads etc. on the map for example I engaged in a **“Humanitarian Mapping Leadership – 2021 Lake Victoria Flood Response by UASG Advisors, C2M2 Africa Regional Hub & U.S. Department of State's Map Give Initiative”** This was aimed at mapping areas that were flooded in 2021 at Lake Victoria.

Excellent use of Business Software Applications

Proficient use of Microsoft Office that is Word Processing, Excel for Storing, manipulating and analyzing data, Power Point for presentations, Access for database development or integrated and record- keeping system.

Networking & Systems integration

During my internship program at the ICT Labs Ntinda, I was able to gain valuable knowledge in Troubleshooting and resolving hardware issues, TCP/IP Configurations and subnetting, optical Fiber and Ethernet Interconnections, sharing resources on a network and permissions and integrating

different systems on a network.

Virtual Private Server (VPS) Configurations, Management & Deployment

Proficient use of Virtual Private Servers, I gained skills in configuring VPS, installing Operating systems for example Ubuntu Linx 2024 LTS, I installed it on my VPS I purchased and on top of it I deployed server management software called DOKPLOY and also have used COOLIFY for deploying containerized applications and frameworks including Laravel, Python, N8N, React, Ruby on rails among others, Via GitHub, GitLab, gutbucket, SSH, among others. I was also able to interact with other deployment platforms or software's used in shared hosting or web hosting for example. CPANEL, Cloud Panel, Direct Admin, SB Admin, Hestia panel among others.

Repair and maintenance

I attained skills in computer hardware repair and maintenance from Makerere University and also from the ICT Labs Ntinda where they expanded knowledge in fixing day to day I.T problems.

Social-Media management

Proficient use and handling of social-media platforms for example Facebook, WhatsApp-business, Snapchat and Telegram to advertise products and services and also increase follower-ship

Communication skills

Good communication skills gained through carrying out field activities while at the ICT Labs as an Intern where I interacted with people from different backgrounds and throughout the internship training.

Team work

Successful project and course work were dependent upon participation and motivation of syndicated project groups. Experience of working within a team-based culture involving planning, organization, coordination and commitment while at The ICT Labs Ntinda

Languages

Fluent English developed throughout my years of school, training work environment and good understanding and writing of Luganda.

✓ Achievements:

1.Developed an AI/Machine Learning Model and deployed it.

Developed an AI/Machine learning model with my team members during Final Year project Using technology called Retrieval Augmented Generation for developing domain specific generative Ai models. Our domain was "Legal Land in Uganda" and the Project title was Conversational Retrieval Augmented Generation for Legal Land Advisory Services. Aimed at providing legal land services to Ugandans who want to buy Land, understand legal proceedings to acquire land, provide summarized information instead of navigating complex documents, verifying land titles.

Link to project: <http://legalland-ai.vercel.app/>

2.Developed an Ecommerce Platform For MERC-KING AUTO LTD.

Developed an Ecommerce platform for Merc-King Auto Ltd that helped in selling of vehicle spare parts.

Link to platform: <https://merc-king.com/>

3.Developed a classification machine learning model

Developed a classification machine learning model together with my team and project was called “**Explainable Machine Vision Techniques for Geo-spatial Land Use Classification**” and this project was one of the projects that were accepted in the “**5th Congress on Intelligent Systems (CIS 2024)** and later we were awarded with a **Certificate of Presentation**”. We also published a paper for the project titled “**Explainable Machine Vision Techniques for Geo-spatial Land Use Classification**”

Link to certificate:

https://drive.google.com/file/d/1DYlc_BAdaz74li3HhbDpWWNYFCBzB1dk/view

Link to published paper: https://link.springer.com/chapter/10.1007/978-981-96-2703-5_9

4.Developed the Makerere University Technology & Innovation Center (MUTIC) Official Website.

Developed the Makerere University Technology & Innovation Center (MUTIC) official Website for managing content and also served as an administrator for the website.

Link to the Official Website: <https://tic.mak.ac.ug>

FOR MORE PROJECTS:

https://drive.google.com/drive/folders/12pGCus7JzPkkD_0nu6g45Yjg664CGC8s?usp=sharing

✓ Certifications:

1. Cisco Certified Network Associate (CCNA)

2. 5th Congress on Intelligent Systems (CIS 2024) “CERTIFICATE OF PRESENTATION”

3.CYBERSECURITY ESSENTIALS – CISCO ACADEMY

4.PROGRAMMING ESSENTIALS IN PYTHON – PCAP Open Edge Python Institute – CISCO ACADEMY

5.ENTERPRISE SYSTEMS ADMINISTRATION – THEICT LABS NTINDA

6.INTRO DUCTION TO CROSS PLATFORM APP DEVELOPMENT USING FLUTTER – GDSC-MAKERERE UNIVERSITY

7. Humanitarian Mapping Leadership – 2021 Lake Victoria Flood Response - UASG Advisors, C2M2 Africa Regional Hub & U.S. Department of State's Map Give Initiative

8.CIPSD ETHICAL HACKING BOOTCAMP - MAKERERE UNIVERSITY

9.CIPSD ORACLE 19C BOOTCAMP - MAKERERE UNIVERSITY

10.CIPSD CYBERSECURITY BOOTCAMP - MAKERERE UNIVERSITY

11.DATA ANALYTICS BOOTCAMP – Alexander Freberg

12.CERTIFICATE OF APPRECIATION – DEVTOWN

NB: VIEW ALL CERTIFICATES VIA MY LINKEDIN: <https://www.linkedin.com/in/magino-daniel-06ab90208/details/certifications/>

PROFESSIONAL EXPERIENCE

WORK EXPERIENCE

Makerere University Technology & Innovation Center (MUTIC)

Currently serving as a Volunteer Web Administrator at MUTIC (since 2024), where I developed the official website of MUTIC, manage and maintain the organization's website, perform regular backups, and update online content. Additionally, I contributed to the development of a website for New York Junior School.

Makerere University Innovation POD (UNIPOD)

I am also currently serving as a Volunteer Web Content Administrator at UNIPOD (since 2024), where I managed and maintain the organization's website News and Events (Blog) and updating content on the UNIPOD website.

MERC-KING AUTO LTD (Sept 2024 to date)

Developed for Merc-king Auto LTD an Ecommerce Platform that sells spare parts and worked for them also as a part time IT Admin, Merc-King Auto Ltd.

COMPUTING PALACE TECHNOLOGIES (June 2024 to Aug 2024)

Worked at Computing Palace Technologies as an intern trainee on many projects including Machine Learning project called "Explainable Machine Vision Techniques for Cancer Detection" and also gained other skills like Web development using php, website design using WordPress and Drupal, Graphics design using Canva and Figma, systems design and analysis, and lastly computer maintenance and repair.

Link to Internship Report:

https://drive.google.com/file/d/1KrkQfZhbrYqs17E39je2oW2i3klve_Rq/view?usp=sharing

AGILE PROJECT MANAGERS LTD (Aug 2022 to Sept 2022,)

Worked with Agile Project Managers as **Traffic Data Collection & Analysis Assistant (Data Entry Representative)**. Conducted systematic motor vehicle counts along the Seeta–Jinja Road and at the Kajjansi traffic lights in both directions. Collected traffic data at 00 and 30-minute intervals each hour to support infrastructure planning. The data was used to assess road usage levels, identify high-traffic routes, and provide evidence-based recommendations for road construction prioritization and urban development planning. Ensured accuracy through meticulous record-keeping, attention to detail, and time-bound data collection in a fast-paced environment.

THE ICT LABS NTINDA INTERNSHIP (2021)

Worked with in the ICT Labs as an **intern** and was able to expand my knowledge in Systems networking and fixing day to day I.T problems.

Experience in installing Operating system I gained experience in installing operating systems on computers and laptops at the ICT Labs. I installed Windows operating system on computers by making the flash disk containing windows file bootable so as it's detected when booting the computer in order to install windows and also partition the hard disk to the desired size/portion.

Experience in sharing files and resources on a network and permissions I gained experience in sharing files and resources on a network and also giving permissions on file sharing. I together with my team mates assigned each other IP addresses on the same network and "pinged" each other so as to connect with each other, made sure we were all on the same work group, gave permissions of full control on the folder to be shared and also added "everyone" on the security tab in folder properties and shared files and resources through map drives in file explorer.

Experience in resolving and troubleshooting hardware issues I gained experience in troubleshooting and resolving hardware issues at The ICT Labs. For example if a U.P.S(Uninterrupted Power Supply) is faulty or has failed to work, in most cases the fuse or battery could be faulty and needs to be replaced with a spare, if a computer is overheating the fan needs to be cleaned from dust or replaced, Computer clock is behind or backwards in most cases the CMOS battery needs to be replaced, If the computer is always slowing down then the RAM(Random Access Memory) needs to be added for faster execution of processes, among others which I gained as an experience.

Experience in router configurations I gained experience in router configurations at the ICT Labs where I managed to set up two different

networks and make them communicate which i did by assigning two teams so as to represent two different networks, assigning two different network IP addresses, with two different directional antennas that needed configuring first and finally the router that helped to connect two different networks so as to communicate and also share resources on a network.

SOCIAL-MEDIA MANAGEMENT FOR CHRIST EMBASSY LIRA CHURCH

I gained experience in using and managing social-media platforms during my senior secondary holidays and vacations through regular practice and therefore i managed some social-media platforms for example Christ embassy lira online church platform and it's Facebook page.

PERSONAL QUALITIES

God fearing, Creative and Innovative skills, Hardworking, Team work player, Communication skills, Intelligent, Honest and Problem-solving skills.

HOBBIES

- Playing video games
- Reading magazines
- Conducting research work
- Watching movies
- Typing
- Coding

REFEREES

MR. ASIZU PETER

I.T DEPARTMENT

The ICT Labs Ntinda

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