

BAZEN HILEMELEKOT AMENE

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· [Linkedin-Profile](#) · [Portfolio](#)

As a Maynooth University graduate with an MSc in GIS and Remote Sensing, I am eager to advance my career by applying my expertise in spatial analysis, remote sensing techniques, and data visualization. With hands-on experience using tools like ArcGIS, QGIS, and ERDAS Imagine, I have developed a strong foundation in leveraging geospatial technologies to address real-world challenges. My professional journey including roles as a Generative AI Annotator and GIS Technician has honed my technical abilities and collaborative skills. Passionate about continuous learning and innovation, I am confident that my dedication and diverse skill set would make me a valuable contributor to your team.

EXPERIENCE

JULY 2023 – PRESENT

GENERATIVE AI ANNOTATOR, COVALEN

- Annotated data to enhance language model performance for a major social media company.
- Developed classification guidelines to ensure annotation accuracy and consistency.
- Conducted research and provided feedback to optimize annotation processes.

MARCH 2023 – JULY 19 2023

COMMUNITY OPERATIONS ANALYST, COVALEN

- Delivered empathetic user support to resolve issues and enhance user experience.
- Analyzed data to inform strategic decisions and improve community operations.
- Enforced Terms of Use and optimized workflows for efficient issue resolution.

FEBRUARY 2022 – MAY 17 2022

RESEARCH ASSISTANT, MAYNOOTH UNIVERSITY

- Participated in a placement program and volunteered as a GIS Technician for the 5*S project.
- Applied GIS skills and mastered new tools through hands-on experience.
- Transitioned to a full-time Research Assistant role, advancing the project's objectives.

JUNE 2021 – JANUARY 2022

VOLUNTEER GIS TECHNICIAN, 5*S: SPACE, SURVEYORS & STUDENTS PROJECT

I am grateful to have the opportunity to work in 5*S: Space, Surveyors & Students project. Which is an educational project aimed at Junior Cert cycle teachers and students to teach users how informational data sets can be used to tackle challenges in Ireland. It is a joint activity between Maynooth University, Ordnance Survey Ireland, TU Dublin, Esri Ireland, and the Society of Chartered Surveyors Ireland. And in this project I:

- Developed educational content using ArcGIS Online (Story Maps, Dashboards) for a Science Foundation Ireland-funded initiative.
- Analyzed Copernicus satellite imagery to deliver geospatial insights.
- Debugged augmented reality app updates across multiple platforms (Samsung, iPhone, tablets).

NOVEMBER 2021 – FEBRUARY 2022

CIRCLE K CUSTOMER STORE REPRESENTATIVE, CIRCLE K HOUSE

- Managed cash control, inventory, and forecourt service for a high-volume convenience retailer.
- Trained new hires on health & safety and merchandising standards, improving store compliance.

AUGUST 2021 – OCTOBER 2021

SUPPORT COLLEAGUE, CURRY PC WORLD

- Diagnosed and repaired in-store computer systems and coordinated external repairs.
- Advised customers on technical solutions, contributing to increased accessory sales.

FEBRUARY 2021 – OCTOBER 2021

STUDENT AMBASSADOR, UNIJOBS

- Guided prospective students through program selection, highlighting the benefits of GIS and Remote Sensing.
- Facilitated campus tours and Q&A sessions, enhancing applicant experience.

NOVEMBER 2016 – SEPTEMBER 2020

COMPUTER SUPPORT SPECIALIST AND NETWORK ADMINISTRATOR, ETHIOPIAN INVESTMENT COMMISSION

- Administered network infrastructure, servers, and Active Directory for a multi-branch agency.
- Developed and maintained the organization's website, improving investor access to data.
- Troubleshoot hardware and software issues, minimizing downtime for staff.

EDUCATION

CLASS OF 2021

MSC GIS AND REMOTE SENSING, MAYNOOTH UNIVERSITY

I am a Maynooth University MSc GIS and Remote Sensing graduate. Having the enormous application areas, this course has helped me to expand my knowledge of remote sensing and spatial and none statistical data analysis skills. In addition to the normal curriculum, taking an extra SQL databases module and sitting in an advanced Java programming class has enabled me to acquire deep insights and develop the technical side fully.

JULY 2016

ELECTRICAL AND COMPUTER ENGINEERING, MEKELLE UNIVERSITY

With a final 3.29 GPA score and a solid understanding of several computer sciences and electronic engineering fields. Which enabled me to work with microcontrollers, computer networks, and other software and hardware components of a computer. This included four months, October 2016 – January 2016, an internship in Information Networking Security Agency (INSA) in the software production department mainly in a web portal development with Liferay enterprise portal technology.

ADDITIONAL CERTIFICATIONS

SEPTEMBER 2024

FULL STACK SOFTWARE DEVELOPMENT, UCD PROFESSIONAL ACADEMY

I hold a Full Stack Software Development [Certificate](#) from UCD Professional Academy, showcasing expertise in Django, SQL, HTML/CSS/JavaScript and Python. This credential validates my skills in full-stack frameworks, database management and web development, empowering me to create scalable, efficient solutions.

APRIL 2021

CERTIFIED 5*S GEOMENTOR, 5*S: SPACE, SURVEYORS & STUDENTS PROJECT

Received certificate of completion 5*S Teacher Workshop as a Geomenter. Diverse project team members from different backgrounds and Geomentors from Maynooth MSc in GIS and Remote sensing program delivered really interactive and well-structured workshops to Junior Cert cycle teachers and students to teach them how informational data sets can be used to tackle challenges in Ireland.

MASTERING GDAL TOOLS, SPATIAL THOUGHTS (2025)

Intensive hands-on course with Ujaval Gandhi covering GDAL & OGR command-line workflows for raster and vector processing, cloud-optimised GeoTIFF creation, georeferencing, batch automation and spatial ETL.

AWARDS

IRELAND FELLOWS PROGRAMME

July 2020

Recipient of the prestigious Ireland Fellows Programme, a competitive fellowship for early to mid-career professionals with leadership potential. Selected as one of only five fellows from Ethiopia in 2020.

SKILLS

- Comprehensive practical knowledge and skills in using GIS software such as QGIS, GDAL, ArcGIS-Pro, ArcMap, ArcGIS Online, ArcGIS Insights, ArcGIS Dashboards, ArcGIS Story Maps.
- Practical skill in using Remote Sensing tools such as ERDAS Imagine, and Pix4D Mapper, and SNAP (Sentinel Application Platform) to detect and monitor land cover and land use changes, forestry, agricultural planning, crop conditioning, urban planning and more.
- Full-stack development (Django), SQL, HTML5, CSS3, JavaScript, Python, Frameworks, Front-end development.
- Querying and managing spatial databases using PostgreSQL, an object-relational database management system and its PostGIS extension.
- Administer and troubleshoot Microsoft Office 365 products. In addition to the ability to utilize each applications within Microsoft Office.
- Debugging, configuring, and troubleshooting Windows and Mac Operating Systems.
- Strong familiarity with Java programming languages.

ACTIVITIES

I am passionate about outdoor activities like jogging, cycling, and basketball, traveling to explore new cultures, reading, listening to podcasts, and learning new skills through interactive online platforms.

REFERENCES

Dr. Ronan Foley

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