ODUNAIYA ISRAEL OLUWASEGUN

Pickering, Ontario | (416) 831 4474 | israelodunaiya@gmail.com | Linkedin | Github | Portfolio

PROFILE SUMMARY

Software Engineer specializing in AI/ML and Cloud Solutions with hands-on experience in Python, APIs, and data analysis. Skilled in building scalable solutions across Azure and AWS, leveraging AI to deliver data-driven outcomes.

EDUCATION

University of Ontario Institute of Technology (UOIT)   **Sep 2021 - Jun 2025**
Bachelor of Science, Computer Science

EXPERIENCE

Devseal | *Fullstack Developer & Data science Intern*   **Jan 2024 - Dec 2024**
- Engineered and deployed web/mobile apps using React, Firebase, and PostgreSQL, enhancing backend data handling speed by 25%.
- Developed backend APIs and integrated prompt-engineering workflows, cutting feature integration time by 30%.
- Collaborated in agile teams to deliver features ahead of sprint deadlines, improving system performance, data ingestion and scalability.

MTN | *IT Support Intern*   **Jan 2019 - Jun 2019**
- Monitored and maintained hardware/software systems, reducing downtime by 15% and improving network stability.
- Diagnosed and resolved system/peripheral issues, boosting helpdesk resolution rates and minimizing user disruption.

PROJECT HIGHLIGHTS

Football Object Tracker | Link   **Feb 2025 - Apr 2025**
- Developed an ML-based tracking system (scikit-learn, pandas, OpenCV) for player and ball detection in match footage, achieving 90%+ detection accuracy on test data.
- Designed for sports analytics and performance insights, enabling potential real-time broadcast overlays and tactical analysis.

Vacation Finder App | Link   **Oct 2024 - Dec 2024**
- Built a Kotlin + Firebase mobile app for vacation planning with geolocation, place-saving, and social recommendations.
- Implemented real-time syncing across devices, allowing users to share and discover destinations seamlessly.

Fullstack Web Applications | Link   **Sep 2024 - Nov 2024**
- Designed and developed a responsive, interactive website using React, JavaScript, HTML, improving user engagement and navigation.
- Integrated backend APIs to deliver real-time, dynamic content, reducing page load times and enhancing overall performance.

Universe Simulator | Link   **Mar 2025 - Apr 2025**
- Built a 2D/3D celestial simulator in VPython with physics, modeling multi-body gravity, collisions, and trajectory prediction.
- Developed and tested on Linux with modular structure for physics, entities, and effects, enabling reusable simulation components.

SKILLS & INTERESTS

- **Languages:** Python, C++, Java, C, JavaScript (ES6+), TypeScript, Kotlin, R, SQL, Bash, HTML/CSS, Dart, PHP, MATLAB
- **Frameworks:** Node.js, TensorFlow, PyTorch, OpenCV, YOLO, Bootstrap, Tailwind, Git, OpenGL, React, Flask, scikit-learn, NumPy
- **Specializations & Domains:** Computer Vision, Software Security, Prompt Engineering and NLP, Simulations & Modeling, Sockets & Networks, A.I/ML, Full Stack Development (Mobile, Web, APIs), Cloud Solutions (AWS, CI/CD), Astrophysics, Database & Data Analytics, Data Structures & Algorithms, Machine Learning Deployment (MLOps), Identity & Access Management (IAM)
- **Tools:** Android Studio, R Studio, Visual Studio, Firebase, PostgreSQL, Docker, Virtual Machines, Jupyter, Linux(Ubuntu, Kali), VS Code, CI/CD Pipelines, Azure, GCP, AWS, Microsoft SQL Server, PowerBI, Github
- **Soft Skills:** Team collaboration, Initiative, Problem Solving, Fast Learner, Critical Thinking, Adaptability, Communication Skills

CERTIFICATION

- **Microsoft Certified: Azure Fundamentals (AZ-900)**: Validated foundational knowledge of cloud services, core Azure tools.
- **Microsoft Certified: Azure Data Fundamentals(DP-900)**: Understanding of fundamental data concepts and Azure data services (relational, non-relational, and analytics workloads in the cloud).
- **Microsoft Certified: Azure AI Fundamentals (AI-900)**: Core AI and ML concepts including computer vision, NLP, generative AI, and responsible AI practices. Hands-on experience with Azure AI services for building cloud-based AI solutions.
- **Microsoft Certified: Security, Compliance, and Identity Fundamentals (SC-900)**: Core concepts of identity, access management, and security principles, including compliance, governance, and Microsoft Entra ID solutions across Microsoft services.

LANGUAGES

- English (Advanced)
- French (Intermediate)
- Yoruba (Native)