FARID OLADEGA

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Summary

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Passionate Deep Learning and Computer Vision Specialist with hands-on experience in neural network architectures, including CNNs and transformers. Proficient in TensorFlow, PyTorch, and OpenCV for image processing and object detection. Experienced in designing and optimizing AI solutions to address real-world challenges.

Skills

- **Programming Languages:** Python, C#, JavaScript, TypeScript, C
- **Automation & Robotics:** industrial and mobile robotics, machine vision integration, OPC UA, IoT
- **Tools & Technologies:** Edge computing, process simulation, AI, DevOps, Kubernetes, Jenkins, Helm
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- **Cloud Platforms:** AWS, GCP, Azure
- **Databases:** MySQL, Postgres, Prisma ORM
- **Deep Learning**: CNNs, Transformers, GANs
- **Testing & Automation:** Cypress, GT Suite, GTPOWER
- **Soft Skills:** Independent work, proactive learning, teamwork, time management

Experience

TM Corporation Oy | Vaasa, Finland
Solution Architect Intern | 12/2024

- Designed and maintained control systems, including networks, storage, and application-specific tasks.
- Collaborated on production environment changes and knowledge base updates, enhancing system lifecycle services.
- Supported in-house automation projects with a focus on efficiency and reliability.

Computer Vision Projects | Vaasa,Finland
Key Projects | 09/2024 - 01/2025
Computer Vision: OpenCV, Image Segmentation, Object Detection

Tools: Jupyter Notebook

Frameworks: TensorFlow, PyTorch

Key Projects

1. Human Action Recognition using Video Swin Transformer

- Built a video-based action recognition model using Swin Transformer.

2. Wine Quality Prediction using Regression Models

- Predicted wine quality using GBTR, Lasso, and ExtraTrees models.

3.Image Classification with CIFAR-10 Dataset

- Built and trained a CNN for CIFAR-10 image classification.

Demola Projects | Vaasa, Finland
Researcher and Software developer | 10/2024 - 12/2024
To develop a demo showcasing innovative methods for charting and tracking the development of shipping lanes that have become available due to climate change, as well as managing traditional routes that are increasingly unpredictable. The goal is to enhance the safety and efficiency of maritime industries by leveraging state-of-the-art technology for better route planning and real-time monitoring of environmental conditions.

- Developed interactive models and dashboards for real-time data monitoring of hydropower systems.
- Designed user-friendly tools for environmental condition tracking and control system planning.
- Collaborated with cross-functional teams to enhance maritime and industrial automation efficiency.

Kay-Solak Nigeria Ventures | Lagos, Nigeria
IT Technician | 01/2022 - 07/2024
Installed and configured software according to specific requirements, ensuring optimal functionality.
Oversaw system updates, maintenance schedules, and troubleshooting to enhance organizational efficiency.
Applied problem-solving techniques to identify and resolve technical issues, improving overall system performance.

IKRAAM IDEAL MODEL COLLEGE | Lagos, Nigeria
IT System and Production Executive | 06/2021 - 08/2021
Managed and maintained the school's website and data systems, ensuring smooth service delivery.
Implemented and managed educational software, supporting seamless integration and functionality.
Provided user training and support for new software and computer systems, enhancing user adoption and satisfaction.

PM Global Limited | Lagos, Nigeria
Web Developer Intern | 08/2020 - 10/2020
Developed an efficient system using Node.js and the S3 delete API to eliminate redundant files from the company's database, optimizing data management in an AWS S3 environment.
Designed and launched a WordPress charity website for the CATS foundation, significantly enhancing the organization's online presence.
Collaborated with a team of developers, gaining valuable experience in teamwork and back-end service management, including user profile maintenance and activity monitoring.

Skills

JavaScript, TypeScript, Python, C Programming Web Development: Node.js, ExpressJS, React, HTML, CSS, MySQL (Relational), Prisma ORM, Postgres Cloud Platforms: AWS, GCP, Azure DevOps Tools: Git, Jenkins, Jira, Kubernetes, Helm Testing & Automation: Cypress, time management, teamwork abilities, GTPOWER, GT Suite

Education

University of Vaasa | Vaasa
Sustainable and Autonomous Systems | 08/2026

University of Electronic Science and Technology of China
Computer Science and Technology | 07/2023