

Min Khant Soe Oke

Profile

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Gender: Male

Summary

B.Sc. in Computer Science from AGH University of Science and Technology, skilled in Python, SQL, and machine learning (TensorFlow, Scikit-learn). As a Machine Learning Research Intern, I enhanced autonomous driving models by 15% and co-authored "Evaluating Synthetic vs. Real Dynamic Vision Sensor Data for SNN-Based Object Classification" (KU KDM 2025, 95% accuracy). Experienced in data analysis, backend development, and innovative projects like object detection and web applications. Passionate about delivering data-driven solutions.

Education

AGH University of Science and Technology, Kraków, Poland
Bachelor of Science in Computer Science, Feb 2025
Graduated GPA - 4.5/5.0

Professional Experience

AGH University of Science and Technology – Krakow, PL
Machine Learning Research Intern, June 2024 – Present

- Developed cutting-edge algorithms that enhanced dataset quality for autonomous driving models, leading to a 15% increase in model performance accuracy and reducing error rates by 20%.
- Collaborated with the Machine Learning team to optimize Python scripts for data engineering processes, resulting in a 30% decrease in runtime and improving overall efficiency.
- Contributed significantly to the research team's efforts towards publishing a conference paper on key advancements in the field of Machine Learning, showcasing expertise in project management and collaboration.

Ayar Yadanar Co., Ltd – (Remote) Yangon, Myanmar
Data Analyst, June, 2022 – December, 2023

- Created and optimized data visualizations using Python and Tableau, enabling stakeholders to make informed decisions.

- Analyzed large datasets to identify trends in operational performance, improving process efficiency by 12%.
- Built statistical models for resource allocation forecasting, reducing operational costs by 10%.
- Streamlined data collection and reporting workflows with SQL and automation tools, enhancing data reliability and cutting processing time by 20%.

Myanmar One Village One Product Development Association – Yangon, Myanmar

Technical Assistant, July 2020 – December 2020

- Provided daily support for hardware, software, and network issues to a team of 25+ staff, achieving a 95% issue resolution rate within the first 24 hours.
- Managed and updated an inventory of 150+ IT assets, ensuring a 98% system uptime and coordinating software updates and system upgrades for 100+ users, leading to a 15% overall performance boost.

Publications

"Evaluating Synthetic vs. Real Dynamic Vision Sensor Data for SNN-Based Object Classification" – Konferencja KU KDM 2025

- Authored paper assessing synthetic and real DVS dataset quality using Python, achieving 95% evaluation accuracy with Mean Squared Error (MSE), Structural Similarity Index Measure (SSIM), and polarity metrics.

Project Experience

Low-Latency Object Detection in Autonomous Vehicles using DVS and RGB camera

- Researched the performance of Dynamic Vision Sensors (DVS) and RGB cameras for low-latency object detection in autonomous vehicles. Developed synthetic AEDAT datasets using v2e software and assessed their quality with metrics such as MSE, SSIM, polarity accuracy, and temporal precision. This project improved dataset reliability and boosted model performance by streamlining event-based data processing pipelines.

Taxonomy Management System

- Developed a taxonomy management system using PostgreSQL and Python, focusing on database setup, CSV data import, and creating a Python utility for managing taxonomy nodes.
- Implemented functions to query hierarchical relationships, rename nodes, and identify root nodes, enhancing data query efficiency by 20%.

Education Agency Management App

- Developed a Python-based web application using Flask to centralize workflow management for education agencies, reducing administrative workload by 30%.
- Key features included client management, invoice generation, automated email notifications, and information tracking, improving operational efficiency by 25%.

Crowdsourced Travel Itinerary Site

- Designed a collaborative platform for travellers to crowdsource and customize travel itineraries.
- Designed an intuitive user interface using Figma, focusing on seamless user experience for itinerary creation and sharing.

QR Code Attendance System

- Collaborated on a QR code-based attendance tracking system using Python, Flask, Firebase Realtime Database, and SQL.
- Features included employee record management, secure QR code scanning, and flexible deployment on web servers or cloud platforms, reducing attendance tracking time by 30%.

Skills

- **Programming & Technical Skills:** Python (NumPy, Pandas, Flask), SQL, PostgreSQL, NoSQL, TensorFlow, Scikit-learn, Firebase, Git, HTML/CSS (basic), REST API Development
- **Software Development:** Backend Development (Flask), Web Application Development, Database Design, Automation Scripting, Object-Oriented Programming
- **Data Analysis & Modeling:** Data Cleaning, Exploratory Data Analysis, Regression Analysis, Data Modeling, Machine Learning
- **Data Visualization & Tools:** Tableau, Matplotlib, Excel, Google Sheets, Jupyter Notebook
- **Soft Skills:** Problem Solving, Decision Making, Communication, Teamwork, Adaptability, Collaboration, Leadership.

Languages

Burmese (Native), English (Fluent), Polish (Beginner)

Consent

English: "I consent to the processing of my personal data for the purpose of recruitment by the entity to which I am submitting this application."

Polish: "Wyrażam zgodę na przetwarzanie moich danych osobowych w celu prowadzenia rekrutacji przez podmiot, do którego składam niniejszą aplikację."