OdeDjinn Caezar Y. Suba

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EDUCATION

UNIVERSITY OF THE PHILIPPINES MANILA
September 2021 - July 2025

B.S. in Computer Science, Specialization in Health Informatics

- DOST RA 7687 Scholar
- Enhanced Pesticide Exposure Diagnosis: A Machine Learning Approach
  - International Conference on Machine Learning and Applied Network Technologies (ICMLANT) Certificate
  - **https://doi.org/10.1109/ICMLANT63295.2024.00026**

QUEZON CITY SCIENCE HIGH SCHOOL
June 2015 - June 2021

Junior High School - Senior High School (STEM Strand)

- Graduated with High Honors and top 10% of the batch
- 3rd Place in SIP in 18th Philippine Robotics Olympiad 2019
- 3rd Place MSE Summit 2021 Materials Case Quest

WORK EXPERIENCE

Morgan Stanley Capital International (MSCI Inc)
June 2025 - Aug 2025

Quality Engineer Intern

- Developed a multi-AI agent prototype by customizing and extending Langflow components (including CSV, PDF, and SQL Agents). Showcased the project to a global audience within the company, highlighting how it elevated analysts' focus from daily operational tasks (BAU) to strategic monthly and semi-annual trend analysis, thereby improving productivity and insight quality.

University of the Philippines Manila (Information Management Service–Digital Innovations) June 2024 - Aug 2024

Web Developer Intern

- Developed and deployed a web application using Django framework to **manage the building information** in University of the Philippines Manila. Trained in Google Analytics and React Native mobile development.

Remotasks

Quality Assurance Manager
Oct 2021 - Oct 2022

- Oversaw and validated annotated datasets for 3D computer vision tasks related to autonomous driving, **ensuring compliance with project accuracy** benchmarks. **Provided feedback loops** and **trained annotators** on labeling best practices, enhancing annotation consistency and project turnaround time. Collaborated with project leads to define QA criteria and resolve complex edge cases in 3D environment interpretation.

Data and Image Annotator
Oct 2020 - Oct 2021

- Annotated 3D images and LiDAR point clouds to **support the development of machine learning models** for autonomous vehicle perception Contributed to the creation of high-quality datasets by consistently meeting annotation accuracy and throughput targets. Collaborated closely with QA teams to resolve labeling inconsistencies and improve dataset quality for model training.

PLANT ALONG GARDENING CO
Oct 2020 - May 2021

Chief Product Officer

- Co-founded a start-up with a team of 15 employees, offering customizable plant and care kits that targeted isolation relief and well-being of customers during the pandemic.
- Oversaw marketing, operations, finance, and product development functions.
- Spearheaded two new product lines for Valentine's Day event, boosting seasonal engagement by 30% and sales by 78%.
- Drove a 200% increase in revenue through successful GTM strategy and marketing innovations, which achieved PHP 193,000 in net profit.

PROJECTS

Multi-Agent Workflow for QA Event Investigations

Technologies: *AI, Langflow,* Python

- Customized and extended Langflow components to develop a Multi-AI agent, which are **CSV Agent, PDF Agent,** and **SQL Agent,** capable of operating independently or collaboratively to address specific business use cases.

Notif-AI

Technologies: *AI, n8n,* Python

- Intelligent notification and workflow automation system that leverages the power of **AI**, **n8n**, and **Python** to create seamless, real-time alerts and smart data workflows across platforms like **Notion** and **Gmail**.

Electronic Blockchain-Based Bidding App (e-3BA)

Technologies: *Blockchain,* Go, Hyperledger Fabric, Node.js, Django, IPFS, PostgreSQL

- Designed and **implemented a private blockchain network** using Hyperledger Fabric to ensure transparency and immutability in a decentralized bidding system.
- Integrated **IPFS for distributed storage** and Django for admin-facing features to manage bidding operations

OCTDL: Optical Coherence Tomography Dataset for Image-Based Deep Learning Methods

Technologies: *Deep Learning,* Python, Jupyter, VSCode,

- Preprocessed and trained deep learning models on the OCTDL dataset to classify retinal images across multiple disease categories.
- Implemented and evaluated **CNN architectures**, including **ResNet**, that achieved the highest predictive **accuracy of 88.24%**, Resnet significantly enhancing diagnostic efficiency.

Enhanced Pesticide Exposure Diagnosis: A Machine Learning Approach

Technologies: *Machine Learning,* Python, GoogleColab,

- Extracted and preprocessed large-scale medical datasets and trained multiple ML models with optimized configurations.
- Achieved a predictive **accuracy of 96.64%**, improving diagnostic efficiency for pesticide exposure cases.

Contemporaneous Symptom Networks of Covid-19: A Multidimensional Symptom Analysis

Technologies: *Network Science,* Gephi, Python, Pandas

- Transformed raw COVID-19 patient data into **binary symptom indicators** to enable network-based analysis.
- Visualized and identified **co-occurring symptom patterns** using Gephi to uncover symptom interdependencies.

HR Dashboard

Technologies: *Data Analytics,* Tableau

- Developed interactive visualizations to monitor key HR metrics such as employee turnover, retention rates, and trends.
- Enabled data-driven decision-making by highlighting workforce patterns and departmental performance through dynamic dashboards.

E-Commerce Sales Dashboard

Technologies: *Data Analytics,* Power BI

- Built a comprehensive dashboard to track sales performance, and product trends across multiple regions.
- Enabled stakeholders to gain actionable insights on revenue growth, seasonal patterns, and top-performing categories.

Project Management Dashboard

Technologies: *Data Analytics,* Power BI

- Designed a centralized dashboard to oversee project timelines, resource allocation, and task completion rates.
- Improved project tracking and team efficiency by identifying bottlenecks and aligning deliverables with key milestones.

Restaurant Management App

Technologies: *Software Development,* Net, C#, PostgreSQL

- Built a desktop application for restaurant inventory and recipe management using the .NET framework.Enabled real-time tracking of ingredient usage and low-stock alerts to optimize kitchen operations.

Hospital Readmission Dashboard

Technologies: *Web Development,* Django, HTML, CSS, Javascript, PostgreSQL

- Developed a web-based dashboard to monitor patient readmissions, common diagnoses, and other critical metrics.

- Enabled healthcare staff to track trends and improve decision-making through a clean and responsive UI.

Automated Laboratory Inventory Management System (ALIMS)

Technologies: *Web Development,* Spring Boot, NodeJS, ReactJS
- Served in a full-stack capacity to develop a real-time inventory system for laboratory equipment and materials.

Building Inventory System

Technologies: *Web Development,* Django, PostgreSQL
- Designed and developed a system to digitize the manual tracking of buildings, properties, and their associated attributes.

Forsaken Joe

Technologies: *Game Development,* Unity, C++,
- Developed a first-person shooter game featuring three progressive levels, environmental interaction, and enemy AI behaviors.
- Implemented features such as teleportation, score tracking, and animated enemy actions to enhance gameplay.

Electronic Health Record

Technologies: *Web Development,* Laravel, PHP, CSS, Javascript, PostgreSQL
- Led the end-to-end development of an EHR platform used by graduate students to digitize barangay-level clinical consultations. Built modules for patient registration, visit tracking, and health record generation and record export.

Personal Portfolio Website

Technologies:*Web Development,* Laravel, PHP, CSS, Javascript, PostgreSQL
- Created a dynamic personal website to showcase projects, skills, and experience using the Laravel framework.

Enrollment System

Technologies:*Web Development,* Laravel, PHP, CSS, Javascript
- Led the development of a role-based enrollment platform supporting interactions among admins, advisors, professors, and students. Implemented user authentication, course registration, and approval workflows.

JUROJIN Inventory System

Technologies: *Software Development* Java, Javafx
- Developed a lightweight inventory software for small food businesses to manage recipe ingredients and monitor stock levels. Utilized JavaFX for an interactive GUI that simplified item tracking and restocking processes.

SKILLS

LANGUAGES	Java, Python, JavaScript, PHP, C++, C#, SQL, R, Go
FRAMEWORKS	.NET, Laravel, Django, NodeJS
CLOUD PLATFORM	Azure, AWS, Salesforce, Snowflake, BigQuery, Kubernetes, DataBricks
TOOLS	Git, Github, Jupyter Notebook, Google Colab, Tableau, PowerBI, Docker, JIRA, Microsoft Suite, IBM SPSS
SOFT SKILLS	Project Management, Adaptability, Teamwork, Self-Motivated

LEADERSHIP EXPERIENCE

UNIVERSITY OF THE PHILIPPINES SOCIETY OF COMPUTER SCIENTISTS   2021 - 2025

Projects Committee Core Member | Creatives Committee | Externals Committee
- Provided on-site event management and supported events that included workshops, university competitions, and seminars. Key project outputs were timely, managing logistics and more. Moreover, I created publications of the organization.

GOOGLE DEVELOPER GROUPS UP MANILA   2022 - 2025

Operations Department | Technology Department
- Supported the planning and execution of tech-focused events including workshops, university competitions, and seminars. Played a key role in on-site event management, ensuring smooth logistics, timely coordination, and efficient technical operations.