

JULIAN SEBASTIAN CADENAS

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EDUCATION

Far Eastern University - Institute of Technology

Bachelor of Science in Computer Engineering – Cum Laude

Sampaloc, Manila

November 2025

- Recipient of FEU Tech Elite Scholarship, CHED STUFAPS, and DataCamp Scholarship
- 2nd Highest GWA, College of Engineering

EXPERIENCE

CGI Philippines

Mckinley, Taguig (Hybrid)

Software Engineer Trainee / AIML Developer Intern

April 2025 – October 2025

- Completed comprehensive training in Artificial Intelligence, Machine Learning, Data Science, and Full-Stack Web Development.
- Led end-to-end process digitization and automation project, including requirement gathering, Figma wireframes, system architecture, database design, business case development, cost and timeline estimation, and application development delivering results in four months. Resulting to a reduced quarterly process time by 92%.
- Built an AI RAG agent using Python, React, and Azure Services (Azure OpenAI, Azure AI Search, Azure Blob Storage) — integrated GPT-4.0 with text-embedding-3-large embeddings to improve information retrieval and employee productivity.
- Validated 2,000+ rows of model output data to evaluate and improve OCR/ML model accuracy and data quality.

Spiralytics Inc.

Remote

Full Stack Developer Intern

January 2025 – April 2025

- Refactored backend code and SQL queries, improving performance and load times by over 60%.
- Assisted in debugging and resolving production issues across multiple modules of client-facing web applications.
- Gained hands-on experience with Google Analytics, SEO tools, and digital marketing, enhancing understanding of user behavior and web traffic reporting.
- Queried, cleaned, and analyzed production data using SQL to support the Sales Department's reporting and insights.

FEU Tech – iTamaraw Center for Academic Excellence and Enrichment

Sampaloc, Manila

Student Assistant

January 2022 – December 2024

- Rendered 108 service hours per trimester as part of scholarship duties.
- Provided academic support to 100+ faculty and students each term, assisting with enhancement classes and resolving learning concerns.

PROJECTS

PoultryGuard: Heat Stress Monitoring for Poultry (Thesis) | [GitHub](#)

Python, Flask, YOLO, OpenCV, Numpy, Arduino (C++)

- Developed a YOLOv8n-based object detection system for poultry heat stress monitoring, trained on a custom-labeled dataset of ~8,000 images, achieving 79% mAP.
- Integrated real-time live camera feed with Flask and OpenCV, maintaining 80–100ms inference latency and streaming results to a web dashboard.

Stock Price Prediction with News Sentiment | [GitHub](#)

Python, Tensorflow, Keras, Scikit-Learn

- Built a GRU-based deep learning model to predict Apple Inc. (AAPL) stock prices using 3 years of historical data and news sentiment. Achieved Test RMSE: 4.53, R²: 0.9338, MAPE: 1.60%, outperforming the LSTM baseline.
- Performed sentiment analysis using siebert/sentiment-roberta-large-english from Hugging Face and merged scores with stock features for time-series forecasting.

SKILLS

- **Software Development:** Python, JavaScript/TypeScript, Flask, React.js, Node.js, Express.js, Tailwind CSS
- **AI & Machine Learning:** TensorFlow, Scikit-Learn, Hugging Face, LangChain, YOLO, OpenCV
- **Data & Visualization:** Pandas, Numpy, Matplotlib, Seaborn
- **Tools:** Git, GitHub, Docker, Azure, MySQL, SQLite, PostgreSQL, MongoDB
- **Certifications:** IT Specialist - Python, IT Specialist - Java, AWS Academy Graduate, Machine Learning Engineer - DataCamp

AWARDS

- Top performing Student (SY21-22, 23-24, 24-25)
- Overall Top 11 SY21-22, Top 2 SY23-24 & Top 12 SY24-25
- CPE Challenge 2023 Java Programming Champion
- MRSP Regional IOT Skills Competition Champion
- DICT Philippine Startup Challenge 2024 2nd Place
- Hooked Unitour Hackathon 2024 2nd Place.