

John Angelo S. Soriano

Makati City, Philippines • www.johnangelosoriano.com • www.github.com/josorz

EDUCATION

De La Salle University

Bachelor of Science in Computer Science – Major in Software Technology
CGPA: 3.642/4.000 (Magna Cum Laude)

Manila, Philippines

September 2022 - August 2026

Relevant Coursework: Advanced Intelligent Systems (Machine Learning), Advanced Database Systems (Data Engineering), Statistical Modelling and Simulation, Cloud Computing (AWS)

Organizations: Peer Tutors Society (2024-2026) – Tutor for Differential Calculus, Google Developer Student Clubs (2022-2023) – AI Development Committee Member

Philippine Science High School – Cagayan Valley Campus

High School, STEM Strand

Bayombong, Nueva Vizcaya, Philippines

2016 - 2022

EXPERIENCE

InterAsia Outsource Inc.

IT Internship

Makati City, Philippines

May 2026 – July 2026

- Developed, with a team of 4, an internal billing and payroll system with document import, automated invoice and payslip generation, streamlining finance operations.
- Presented weekly progress reports, project presentations and feature demonstrations to stakeholders.
- Managed database migration scenarios using Prisma and tested new functionality before deployment.

PROJECTS

Tricycle Simulation and Analysis (Thesis Project) – Python, Streamlit, SQLite

- Developed a Manila tricycle traffic simulation program using Python libraries of a traffic simulation software.
- Executed parallel simulation runs across different parameters in an on-premise cloud environment for analysis.

Property Management System – Spring Boot, PostgreSQL, Vue.js

- Created a full-stack system for an apartment complex, enabling managers to manage contracts and invoices.
- Automated invoice generation using HTML templates and DOCX contract creation using Apache POI.

Predicting Jollibee Presence using LGU Competitiveness Metrics – scikit-learn, pandas, XGBoost

- Collected, scraped and merged datasets from separate government sources and geospatial databases to create a dataset covering 1,600+ Philippine LGUs.
- Conducted exploratory data analysis and trained an XGBoost classifier to predict if a town has a Jollibee branch.

Jurisprudence Bot – Selenium, FastAPI, LangChain, SentenceTransformers, FAISS, React.js

- Scraped and indexed 65,000+ legal cases from lawphil.net into a searchable knowledge base for researchers.
- Built a retrieval-augmented generation (RAG) pipeline with FAISS and Ollama to provide legal query responses.

Employment Survey Analysis – Jupyter Notebook, scikit-learn

- Conducted EDA and applied machine learning methods on a national survey to predict employment status
- Tested and tuned hyperparameters for models including K-Nearest Neighbors, Multiclass Logistic Regression, Random Forest, and Gradient Boosted Trees (XGBoost), achieving a maximum testing accuracy of 84.64%.

SKILLS

Languages: Java, Python, JavaScript, SQL

Frameworks: Spring Boot, FastAPI, React.js, Node.js

Databases: PostgreSQL, MySQL, MongoDB

Developer Tools: Git, Docker, GitHub Actions, Selenium, BeautifulSoup, Liquibase, JUnit, Mockito, Testcontainers

Data & AI: Pandas, scikit-learn, scipy, statsmodels, PyTorch, Streamlit, Tableau, Power BI, LangChain

TRAININGS AND AWARDS

DOST-SEI S&T Undergraduate Scholarship (RA 2067/Merit)

June 2022

Technical Alignment Research Accelerator (AI Safety)

September 2026 - December 2026