

John Andre S. Yap

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Education

University of San Carlos	<i>Cebu City, Philippines</i>
<i>BS in Computer Science</i>	<i>2023 – 2027</i>
<ul style="list-style-type: none"> • DOST-SEI Merit Scholar & DataCamp Scholar • High Honors graduate, Carolinian Academic Distinction (CAD) recipient 	

Experience

Secretary & Web Developer	<i>Cebu City, Philippines</i>
<i>Cebu Best Value Trading (CBVT)</i>	<i>Jan 2024 – present</i>
<ul style="list-style-type: none"> • Applying systems-based thinking to optimize business processes and workflows • Managing data-driven administrative tasks and developing web solutions 	

Extracurricular Activities

- Google Developer Groups (GDG) USC Chapter - Data Science Officer (2025-2026)
- Innovare: USC Competition Guild - Assistant Secretary (2025-2026)
- DOST SA USC (DSU) - Finance Officer, applying data-driven financial management
- Active GitHub contributor with consistent daily contributions and 20+ public repositories
- Second Place at USC SHS-STEM 4th Research Congress (May 2023)

Projects

Customer Churn Prediction Model	<i>2025</i>
Machine learning model for telecom customer retention analysis	
<ul style="list-style-type: none"> • Built predictive models using pandas, scikit-learn for demographic and usage trend analysis • Applied feature engineering and model evaluation for end-to-end customer churn forecasting 	
Credit Card Approval Automation	<i>2025</i>
Supervised ML model for automated financial decision-making	
<ul style="list-style-type: none"> • Developed cost-effective ML solution for banks to streamline application approvals • Applied data preprocessing, model training, and evaluation for scalable financial use cases 	
Fake News Detection System	<i>2025</i>
TensorFlow-based ML application with web scraping and sentiment analysis	
<ul style="list-style-type: none"> • Integrated real-time news data collection with deep learning classification models • Implemented NLP algorithms for news authenticity detection and sentiment analysis 	
Amazon Reviews Sentiment Analysis	<i>2025</i>
Comparative ML analysis using TensorFlow and Scikit-learn	
<ul style="list-style-type: none"> • Applied natural language processing for customer sentiment classification • Conducted model comparison and performance evaluation across ML frameworks 	
Healthcare Hypothesis Testing	<i>2025</i>
Statistical analysis of pharmaceutical safety data	
<ul style="list-style-type: none"> • Performed hypothesis testing on simulated drug safety datasets using Python • Applied statistical reasoning to assess significance of adverse reactions by demographic factors 	

Certifications

- [DataCamp Associate Data Scientist in Python Certificate](#)
- [DataCamp Machine Learning Scientist in Python Certificate](#)
- [100+ LeetCode Problems Solved](#)

Skills

- Data Science & ML:** Python (Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, Seaborn), SQL, Statistical Analysis
- Programming:** Python, Java, C, JavaScript, Git/GitHub
- Web Development:** HTML/CSS, Node.js, MongoDB, Firebase, PHP, Laravel, Next.js
- Tools & Analytics:** Figma, Google Suite, Excel, Data Visualization, Hypothesis Testing