

# John Andre S. Yap

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## Education

### University of San Carlos

Cebu City, Philippines

BS in Computer Science

2023 – 2027

- DOST-SEI Merit Scholar & DataCamp Scholar
- High Honors graduate, Carolinian Academic Distinction (CAD) recipient

## Experience

### Secretary & Web Developer

Cebu City, Philippines

Cebu Best Value Trading (CBVT)

Jan 2024 – present

- 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

2025

Machine learning model for telecom customer retention analysis

- 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

2025

Supervised ML model for automated financial decision-making

- 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

2025

TensorFlow-based ML application with web scraping and sentiment analysis

- 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

2025

Comparative ML analysis using TensorFlow and Scikit-learn

- Applied natural language processing for customer sentiment classification
- Conducted model comparison and performance evaluation across ML frameworks

### Healthcare Hypothesis Testing

2025

Statistical analysis of pharmaceutical safety data

- 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