

# Gerard Andrew H. Salao

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GitHub | LinkedIn

## EXPERIENCE

### GOLDEN ABC INC. | INFORMATION TECHNOLOGY INTERN

June 2025 – September 2025

- Built a full-stack Learning Management System (LMS) using SharePoint, Power Apps, and Power Automate, deployed company-wide to over 5,000 employees
- Managed Azure integrations, deployment pipelines, and authored system documentation for seamless project turnover and maintenance
- Developed and deployed React.js widgets for the company's production site

### UP NISMED | SOFTWARE DEVELOPER INTERN

June 2025 – July 2025

- Co-developed the backend of the UP NISMED Hostel Reservation System using Django REST Framework, implementing RESTful APIs for booking and verification workflows
- Led the front-end development of a responsive Vue.js web app and coordinated deployment of the system's backend, frontend, and database across free-tier hosting services

## PROJECTS

### TABIPO | IOT EMERGENCY TRAFFIC MANAGEMENT SYSTEM

April 2025 – May 2025

- Engineered an IoT-based traffic control system using Django, Vue.js, and ESP32 to prioritize emergency vehicles within a GPS radius
- Integrated OSRM and Google Maps API for real-time routing, localization, and automated signal switching

### POTATO LEAF DISEASE CLASSIFIER | COMPUTER VISION & DEEP LEARNING

April 2025 - May 2025

- Built CNN (ResNet50) and Vision Transformer models for image-based disease detection using PyTorch
- Designed full training pipeline with OpenCV preprocessing, GPU optimization, and performance visualization

### SEMESTER PLANNER WEB APP | FULL-STACK WEB DEVELOPMENT

August 2025 - May 2025

- Spearheaded backend development of a web app enabling UP Diliman students to generate efficient class timetables
- Collaborated with a team using Django and Bootstrap across five AGILE sprint cycles to deliver the full system

### DADRIS | DATA SCIENCE & PREDICTIVE ANALYTICS

September 2025 - November 2025

- Analyzed Philippine regional crime data using Python (pandas, seaborn, statsmodels), performing correlations, T-tests, and regression with missing data imputation
- Found urban poverty and employment significantly influence crime, revealing non-linear regional effects

## EDUCATION

### UNIVERSITY OF THE PHILIPPINES DILIMAN

BACHELOR OF SCIENCE IN  
COMPUTER SCIENCE

Expected July 2026

Magna Cum Laude Standing  
DOST-SEI Merit Scholar

Cum. GWA: 1.35 / 1.00

Cum. GPA: 3.7 / 4.0

## SKILLS

### PROGRAMMING

Python • C • JavaScript  
Go • Julia • MySQL • PureScript  
HTML/CSS • Assembly

### FRAMEWORKS

Django • React • Vue.js • Next.js  
SvelteKit • Tailwind CSS • Bootstrap

### TOOLS

Git • GitHub • Google Apps Script  
Microsoft Azure • Microsoft Office  
Figma • LaTeX • Typst • Unix • Linux

## ORGANIZATIONS

### UP CURSOR

EXECUTIVE TREASURER, FINANCE  
MANAGER

July 2024 – July 2025

- Developed and deployed internal automation tools using Google Apps Script to optimize financial tracking, data handling, and reporting workflows for a ₱200,000 annual fund.