



# JEZREIL LUMBERA

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## EDUCATION

### BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Mapua Malayan Colleges Laguna

EXPECTED NOVEMBER 2025

#### RELEVANT COURSES:

- Data Structures and Algorithms
- Software Engineering
- Web Systems and Technologies
- Data Analytics
- Machine Learning

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C#, SQL, HTML, CSS, Java

**Frameworks:** .Net, Django, Flask, Bootstrap

**Databases:** MSSQL, SQLite3

**Applications:** GitHub, Unity, Firebase

## PROJECTS

### BIOMARKER PREDICTION SYSTEM

DECEMBER 2024 – PRESENT

- Developed a web-based tool that predicts CA 19-9 levels using input from urinary biomarkers.
- Developed and applied machine learning techniques to build a predictive model for CA 19-9 levels.
- Utilized Django for backend development and SQLite3 for database management.
- Used Bootstrap for responsive UI design and Plotly for interactive data visualization.
- Collaborated via GitHub for version control and project collaboration.

### BLUE AND SILVER RESERVATION SYSTEM

JANUARY - JUNE 2024

- Developed a web-based reservation system to manage reservations and inventory.
- Built using the ASP.Net MVC framework for the backend and MSSQL for database management.
- Designed a responsive user interface with Bootstrap and integrated Chart.js for visualizing reservation trends and inventory data.
- Hosted on Azure.
- Collaborated via GitHub for version control and project collaboration.

### OTHER NOTABLE PROJECTS

- **Parking Lot Detection (2023)** – A computer vision system that detects cars in a parking lot from a top view and counts the number of occupied and vacant slots – Python, OpenCV
- **Batuhan (2023)** – Locally hosted 2 player game – Unity, C#

## ACHIEVEMENTS

#### Awards:

- Consistent Dean's Lister (2021 - 2024)
- President's Lister (2022, 2023)

#### Certifications:

- CompTIA IT Fundamentals+