



# { Hannah Jacqueline Dasal }

## ASPIRING SOFTWARE ENGINEER

A graduating **Computer Science** student as **Magna Cum Laude**. **Motivated** and **detail-oriented** with hands-on experience in developing **cross-platform** and **web applications**. Eager to leverage my skills and **passion for technology** in a collaborative team environment.

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### < skills >

proficient

intermediate

beginner

learning

#### <programming languages>

Javascript

Dart

SQL

Python

HTML

CSS

Java

C++

R

C#

#### <dev frameworks>

Flutter

Node.js

Django

jQuery

MDBootstrap

EJS

React.js

ASP.NET

#### <dev tools>

VS Code

Android Studio

Github

MacOs

Windows

Linux

R Studio

Azure

### < work experience >

#### <System Designer Intern>

Department of Science and Technology [DOST]

July 2023 - August 2023

- Created the **ERD** and system **flowchart**
- Applied **database normalization**
- Worked in a team to design the UI of the system using a collaborative tool, **Figma**
- Completed extensive **documentation** of the design outputs following DOST standards
- Attained **98% performance** evaluation score

### < education >

#### <B.S. Computer Science>

Pamantasan ng Lungsod ng Maynila [PLM]

2020 - 2024

Graduation date: **September 5, 2024**

#### <Web & Mobile Development Bootcamp>

2021 - 2022

Completed online bootcamps for **full-stack web** and **mobile** development with **test projects**

#### <DOST-Merit Scholar> [view results]

Year of Award: **2020**

### < projects >

Currently working on a personal project...

<cross-platform medical form managing app> [view]

#### <indoor navigation mobile app>

Computer Science Thesis - Lead Developer

Completed - May 2024 [source code]

- Stack: **MySQL** | **Django** | **Python** | **Flutter**
- Utilized OpenStreetMap data and Overpass API for mapping existing real indoor places.
- Implemented path planning algorithms like **A-star search** and **Harris Hawks Optimization** for efficient **route calculation**.
- Published approved manuscript by WJARR
- Presented and recognized "**Best Paper**" in the PM Session of the 1st Research Colloquium of my college (CISTM) in PLM

#### <class schedule & faculty load portal>

Software Engineering Project - Developer

Completed - June 2023 [source code]

- Stack: **MySQL** | **Express.js** | **EJS** | **Node.js**
- Implemented **user authentication**, **conflict detection** and resolution algorithms to handle overlapping classes and faculty unavailability.
- Used **Hostinger VPS** and configured the virtual private **Linux server** to deploy the website