Natalie Jane S. Pacificar

nataliejane.pacificar@outlook.com

09289762404

Fynmn

natalie-jane-pacificar

A DOST Merit Scholar and Computer Science student ready to take on new challenges, further develop her skills to a great extent and expand her knowledge every day. Would love to collaborate with different kinds of people to learn from them, accomplish a common goal, and make the world a better place.

LANGUAGES & SKILLS

Python	Flask
JavaScript	React
Next.js	Java
Flutter	Dart
HTML5	CSS3
Tailwind CSS	Bootstrap
MongoDB	SQLite
SQL	Linux
Git	GitHub
Figma	UI/UX Design
Postman	Jira
APIs	Google Maps API
Data Analysis	Data Mining
Data Visualization	Machine Learning

AWARDS

Regional Champion
Philippine Startup Challenge 7 (Regional Pitching Competition)
October 28, 2022

Best Thesis
WVSU - CICT (Computer Science)
June 1, 2023

Top 10
Philippine Startup Challenge 7 (National Finals)
November 15, 2022

Presenter
2023 Fair on Innovation, Reserach and Extension Services
January 25, 2023

Best Presentation
OJT at Spring Valley Tech Corp.
May 5, 2023

Participant
Impact Hackathon 2019
October 31, 2019

EDUCATION

West Visayas State University (August 04, 2019 - Present)
Computer Science, Major in Artificial Intelligence
Overall GWA: 1.25 - Magna cum Laude

St. Paul University - Iloilo (June 19, 2018 - May 23, 2019)
SHS (Grade 12), Science, Technology, Engineering, & Mathematics
General Average: 94

AMA Computer Learning Center - Iloilo
SHS (Grade 11), Information and Communications Technology
General Average: 97

EXPERIENCE

OJT - Software Engineer Traine: Spring Valley Neural Estates Network (January 30, 2023 - May 09, 2023)
We built a Residential Estate Management Application both on the web and mobile. I was a Front-end Developer and Lead UI/UX Designer for both the mobile and web app.

JavaScript, React, Next.js, TailwindCSS, HTML5, CSS3, Flutter, Dart, Java, Git, API, React Libraries

Project: Hospilink
HospiLink is a web application that can help EMTs transport the patient to the best suitable hospital in the shortest amount of time. It also enables the hospitals to optimize their operations to prepare in times of emergency. I was able to make use of the Google Maps API, specifically the Distance Matrix API, Directions API and Maps Embed API to show the map and calculate the distance and ETA from the incident location to the hospital location. I utilized Next.js, React and React Libraries in order to provide some of the functionalities for our web app such as rendering data, state management, form validation, form submission, crud operations and animations. I also engineered our machine learning model in order to predict the hospital resources needed by the patient, cleaned the dataset for which we would fit our model and then developed a Flask Microservice that would make these predictions as well as allow applications to make requests on the API endpoint for the predictions.

API, React, NextJS, PHP, Python, Flask, HTML5, CSS3, TailwindCSS, Postman, Git, Jira, Data Cleaning, Machine Learning, API Development, React Libraries

Project: Pollice
Pollice is an Election System App for WVSU-CICT. It is made with TailwindCSS and JavaScript on the front-end. I was a back-end developer and database administrator in our Election System App which is made with Python and Flask on the back-end. The app was deployed on the Cloud running on Linux, specifically, Ubuntu as the operating system for our server and while utilizing Nginx as the web server with MongoDB as the database.

Python, Flask, JavaScript, MongoDB, TailwindCSS, Git, Cloud, Nginx, Linode

Project: Interactive Dictionary
I built a dictionary in Java using the MVC pattern. I used the JavaFX libary for the GUI and JSON.simple toolkit to parse JSON text. I also recreated this in two other different languages (Python and JavaScript). In Python, I built a CLI app while in JavaScript, I built a Web App with React.

Java, JavaFX, MVC, Python, JavaScript, Git, Cloud

HOBBIES AND INTERESTS

Reading
Writing
Chess
Video Games
Movies and TV Shows
History
Cycling
Waching Lectures

EXPERIENCE

Project: Machine Learning and Data Related Projects
I have trained several models in order to find out interesting things or to make predictions such as the following: (1) predict the hospital facility, equipment and specialist needed by an emergency patient with the patient's condition as inputs; (2) predict the sentiment of a review from the IMDB Dataset with Logistic Regression and Feature Extraction; (3) predict the digit of a handwritten number from 0-9 using a Random Forest Classifier; (4) predict the employment in the Philippines with a Time-Series Analysis using Skforecast; (5) find if there is an association with suicide rate and unemployment.

Python, Machine Learning, Data Science, Flask, Git, Cloud, Sklearn

Project: Automation Projects
For automation, I played with Bash and Python. I created a bash script that automates adding files to git, committing changes to the repository and pushing to the repository with just one line of command as well as a bash script that automates running the npm develop and npm build scripts with just one command in Linux and Windows. For Python, I created a python script that enables me to access my google classroom classes through the command line.

Linux, Python, Bash, Git

OTHER EXPERIENCES

Role: Associate Editor
ICON Publication (A.Y. 2021 - 2022)

Role: Feature Editor
ICON Publication (A.Y. 2019 - 2021)

Role: Editor-in-Chief
Julianeans (A.Y. 2016 - 2017)

Role: Feature Editor
Julianeans (A.Y. 2015 - 2016)