

Jeric Marcel L. Gappi

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EDUCATION

STI COLLEGE - FAIRVIEW

Bachelor of Science in Computer Engineering – Robotics Elective, Aug 2, 2024

Technologies and Languages

- C, C++, Python, Java, Arduino, HTML, CSS and JavaScript.
- PyQt5, Pandas, Flask, Django (Basic), SQLite, MongoDB, PostgreSQL.
- Anaconda, AWS (Basic), RedHat (Basic), ESP32, GitHub/Git.

EXPERIENCE

Technical Intern (OJT) | Philteq Enterprise Incorporated:

May 2024

- Immersed in RMA related task in Technical Department, Troubleshoot/Repair devices such as AIO PCs, TP-Link Products like TAPO, Deco, Archer and other smart devices, Hikvision etc.
- Developed an application specifically for RMA related task to search for RMA transactions including their Serial Numbers and compute for their Warranty dates and DR NO# using Python, PyQt5 and Pandas.

CERTIFICATES

CS50's Introduction to Programming with Python:

May 2024

- An online course by Harvard for their CS50P with topics ranging from Python, Requests, OOP etc.
- Taken as a refresher for Python. Includes Github submitted activities, final project and weekly tasks.

AWS Academy Graduate – AWS Cloud Foundations:

Nov 2023

- Explore and Learn the foundations of Amazon Web Service including IAM, EC2, S3 etc..
- Create an actual instance of computing on cloud, host website, manage IAM with guided activities.

Red Hat System Administration I (RH124):

Sep 2023

- Learn and operate Linux operating system in a cloud-based RHEL with guided activities.
- Knowledge of CLI, SSH, and manage applications using dnf and core concepts of Linux distribution.

PROJECTS

File Sorter [Harvard's CS50P] (Python, SQLiteDict, MongoDB)

- Developed a File sorter to automatically sort the files into their respective folders based on settings.
- Uses SQLiteDict for loading/saving the user file/folder settings and syncs to cloud using MongoDB and MongoDB Atlas.

Serial Search for RMA Transactions [Internship] (Python, Pandas, PyQt5, CSV)

- An application developed for handling millions of transaction data in CSV format.
- Computes Warranty based off by Serial Number and other transaction details.

Web-based Chatroom (Python, Flask, FlaskIO, HTML, CSS)

- A Chatroom app with basic implementations of User/Account Session, Room Codes.
- Basic implementation of routing and computing date/time through the server-side.

Interactive Solid Waste Segregation System Smart Trash Can [Capstone] (C/C++14, Arduino, Electronics)

- Programmed and Developed the Software and Electronics part of the machine.
- A machine that can identify the category of waste and opens the specific trashcan category.
- With SMS functionality for workers including Capacity Notification, Account management and control.

GPS Tracker with SMS and Buzzer [Commission] (C/C++14, Arduino, Electronics)

- Commissioned by Business Management students for capstone.
- Includes GPS module for live tracking of current coordinates.
- SMS functionality to fetch the current location and, produces alarm using SMS or RF remote.

All In One Calculator (C Programming)

- Final project for C programming subject.
- Computes different types of math related topics including basic computations to chemistry related.

SumoBot 1.5kg [Competition] (C/C++14, Arduino, Electronics)

- SumoBot entry for 2023 National Robotics Competition at Don Bosco Technical College.
- 8th place for the Automated SumoBot.

Line Follower Robot [Competition] (C/C++14, Arduino, Electronics)

- Develop the robot for SHS entry for 2023 National Robotics Competition at Don Bosco Technical College.
- Mentored the SHS students for programming the robot while also developing the robot itself.

Reverse Vending Machine [Commission] (C/C++14, ESP32, Electronics, Java)

- Commissioned for creating Android App and ESP32 interfaced for kiosk like functionality.
- Includes Bluetooth functionality for connecting Java App to ESP32 using C/C++14 Language.