Erickson Neil Ruaro

https://eruaro.github.io/

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EDUCATION

- **De La Salle University** — Manila, Philippines
  Senior High School; GPA: 3.97 / 4.00 — *Jun. 2020 - Jun. 2022*

EXPERIENCE

- **CertiK** — Remote
  Software Engineer Intern — *October 2021 - January 2022*
  - **NFT Mobile Application**: Used Flutter and incorporated test-driven-development in the development of a mobile NFT trading application. Used Figma for designing the UI / UX of the app. https://www.certik.io/
  - **Cosmos SDK**: Contributed to the Cosmos SDK for developing blockchain applications using Golang. Audited numerous cryptocurrencies to check if they are secure. https://tendermint.com/sdk/

- **Omdena** — Remote
  Machine Learning Engineer (Volunteer) — *May 2021 - October 2021*
  - **Potential Solar Power Plant sites in the Philippines**: Led the development of a machine learning application that looks for potential solar power plant sites in the Philippines based on satellite data. https://omdenaph-solar.vercel.app/

PROJECTS

- **Dog Breed Classifier**: Implemented convolutional neural networks and utilized mobile-v-net2 architecture and utilized transfer learning, and deep learning with TensorFlow in order to classify dog breeds based on image inputs. Carefully picked optimizers and loss variables obtaining an accuracy score of 99 percent. https://github.com/eRuaro/Dog-Breed-Classifier

- **Bulldozer price prediction**: Implemented random forest regression algorithm using supervised machine learning to predict the sale price of bulldozers and assigned 5 risk parameters resulting in a 96 percent accuracy. https://github.com/eRuaro/bulldozer-price-regression

- **Heart disease classification**: Implemented logistic regression classification algorithm using supervised machine learning to identify whether one has heart disease or not and assigned 3 risk parameters resulting in an 85 percent accuracy.   https://github.com/eRuaro/heartdisease-classification

OPEN SOURCE CONTRIBUTIONS

- **Bloc**: I contribute to open issues on Bloc, one of the most popular state management libaries for Flutter applications. Mainly working on bug fixes.https://github.com/felangel/bloc/

ONLINE COURSE CERTIFICATES

- **Accelerated Computer Science Fundamentals 3 course specialization (University of Illinois via Coursera, 2021)**: Learned how to implement various data structures such and algorithms in C++ using OOP and templates. https://www.coursera.org/specializations/cs-fundamentals

TECHNICAL ARTICLES

- **Using Cubits for Easy Flutter State Management (Flutter)**: Wrote and published a tutorial article on how to get started on using the cubit state management approach in Flutter, with TDD. https://neilruaro.hashnode.dev/using-cubit-for-managing-states-in-flutter

- **Developing API Services with Python and FastAPI**: Wrote and published a tutorial article on how to create a Restful API service using TDD in Python and FastAPI. https://neilruaro.hashnode.dev/developing-testing-and-deploying-fastapi-applications

PROGRAMMING SKILLS

- **Languages**: Dart, Python, C++, Javascript, Golang Typer, Node.js, React.js
  Technologies: Flutter, Tensorflow, Scikit-Learn, FastAPI,
- **Developer Tools**: Git, WSL, Docker