

# Aye Swe

Experience in the **front-end, web development with React, HTML, Bootstrap, CSS, Node.JS with Express, Python with Flask, JavaScript, jQuery, and SQL.** Familiar with AWS cloud ecosystem and microservices with Docker, Jenkins, Ansible. Deep Knowledge in OOD and hand-on experiences with OOP principles and familiar with Enterprise Architecture Patterns. Experience with Machine Learning and AI algorithms.

## PROJECTS AND EXPERIENCES

### Front-end Web Development experience

**Personal Resume Portfolio** (<http://www.ayeswe.com>)

<https://github.com/SweAye/FrontEndWebdevelopment>

- Design, implement and maintain my own personal portfolio website by applying knowledge of JavaScript, CSS, HTML.
- Deployed on Google Cloud Platform

#### **Lesson Learned:**

- **HTML, CSS, JavaScript, Google Cloud Platform resources.**

**eCommerce website** (<https://butterfly-flower-shop.netlify.app>)

<https://github.com/SweAye/Flower-shop>

- Design, implement and maintain a demo eCommerce website by applying knowledge of reusable component based React, JSX, bootstrap, CSS, HTML.
- Deployed on Netify platform with CI/CD feature.

#### **Lesson Learned:**

- **React, JSX, and Bootstrap,**

**UI Design and Human Computer Interaction experiences** (Fall semester, 2019, SJSU)

[https://github.com/SweAye/Interactive\\_prototype\\_eBay](https://github.com/SweAye/Interactive_prototype_eBay)

**eBay website evaluation and redesigning with interactive Prototype**

- Evaluate and discover the usability issues on eBay UI design of Navigation System and Messaging Features. Redesign the problematic features which does not comply with HCI principles. Increase the efficiency, usability, consistency and satisfaction in navigation by 40% than the original interface.

#### **Lesson Learned:**

**Adobe Xd, usability Evaluation Metrics and usability principles.**

**Cloud, Agile Software Development and CI/CD experience** (Fall semester, 2018, SJSU)

<https://github.com/SweAye/EnterpriseSoftwareDevelopment>

**Enterprise Human Resource Application**

- Implemented the distributed Cloud based web application with Amazon AWS VPC, EC2.
- Enable the user to log in with single sign on functionality through the web application with third party API integrations and created scalable, maintainable, and secure enterprise application.

#### **Lesson Learned:**

- **AWS cloud ecosystem,**
- **configuration management with Ansible,**
- **continuous integration and version control with Jenkin and GitHub**
- **containerization with Docker**
- **multilayer web security with ACL, NAT, AD**
- **Back-end integration with SQL.**

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## EDUCATION

**Bachelor of Science in Software Engineering**  
**San Jose State University**

## SKILL

Python, C++, Java, Node.JS, ReactJS/Express, Flask, CSS, HTML, JavaScript, SQL.

**Machine Learning / API experiences** (Spring semester, 2019, SJSU)

[https://github.com/SweAye/MachineLearning\\_Bitcoin\\_Prediction](https://github.com/SweAye/MachineLearning_Bitcoin_Prediction)

### **Bitcoin Price Prediction Application**

- Build a console-based Machine Learning application with Python Machine Learning libraries.
- Enable Traders and Investors to predict the future of the Bitcoin market price with easy to analyze financial charts and graphs with minimal error rate with optimal perception values.

### **Lesson Learned:**

- **Machine Learning** Python packages: **Pandas, Sklearn, NLP, NumPy, Matplotlib, Work2vec, N-gram**
- Third party API integration with live data streaming from **CoinDesk, Coinbase, Kraken stock exchange API and Twitter API**
- Data formatting, processing, and cleaning from and to JSON, CSV formats
- **Machine Learning algorithms such as SVM, Linear regression and Decision Tree.**