Anuk Salgado

anuksalgado@hotmail.com   + 61436962576   LinkedIn - Anuk Salgado   Github - anuksalgado

Education

Curtin University   **Bentley, Perth**

B.S in Software Engineering   Expected Graduation - June 2025

- **Concentration** : Software engineering
- **Course Weighted Average**: 86.33 %
- **Coursework** : Data Structures & Algorithms, Object Oriented programming, Android app development, Databases, Software project management.

Work Experience

Curtin University   **Bentley, Perth**

Software Engineering intern   November 2023 - February 2024

- Tasked with research on existing compression techniques such as GZIP and ZLIB and to try to integrate machine learning for compression for large datasets and for data partitioning.

- Used Python and Tensorflow to implement an Autoencoder to compress a large dataset and SciKit-Learn for KMeans algorithm for the partitioning (Clustering) of data.

- Was able to successfully demonstrate the compression of a large dataset for credit card transaction which and to identify fraudulent transactions within the dataset using KMeans algorithm with an accuracy of oveer 40%.

Projects

Bentley, Perth

Credit Card fraud detection

January 2024 - February 2024

- Trained an Autoencoder and KMeans model in order to compress large credit card dataset to a size less than 43% of the original dataset and maintain clustering accuracy to detect fraudulent transactions
- Achieved an accuracy of over 40% with the prediction which is higher than curent fraud detection standards of 30%

Bentley, Perth

Student Management System

October 2023 - Ongoing

Team Lead

- Leading a team of 5 who are in different time zones in order to build a student management system which employs a frontend using HTML/CSS, Javascript, React.JS and a backend of NodeJS, Express.JS and MySQL,

Skills

- **Programming languages -** Java, Python, Javascript, C, MySQL, HTML, CSS, NodeJS, React.J S, C#
- **Tools -** Android Studio, IntelliJ, PyCharm, Visual Studio Code, Jupyter Notebook, GIt