



YARED MENGISTE

Software Engineer

CONTACT INFORMATION

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- <https://www.instagram.com/yared1390/>

LINKEDIN PROFILE

<https://www.linkedin.com/in/yared-mengiste-96751b267/>

GITHUB AND PORTFOLIO

<https://github.com/Yared-Mengiste>

<http://stoic.pythonanywhere.com/>

PROFILE

Fourth-year Software Engineering student with strong proficiency in Python and hands on experience in machine learning, neural networks and data analysis. Skilled in data preprocessing, feature engineering, exploratory data analysis and model validation. Holder of a Udacity Nanodegree in Data Analysis, with growing interest in applied AI and ML systems.

WORK EXPERIENCE

Private Tutor (2 years)

Taught mathematics and other subjects to elementary students.

Home Satellite Dish Installer

Configured home satellite systems such as Nilesat and Arabsat.

PROJECTS

Traffic Accident Type Classification (Neural Network)

Python, Pandas, Scikit-learn, TensorFlow/Keras

- Built a multi-class neural network classifier to predict traffic accident types using ~60,000 real-world records
- Performed extensive data cleaning, EDA and feature engineering
- Prevented data leakage by removing post-accident outcome variables
- Encoded categorical variables and scaled numerical features for NN training
- Evaluated model performance using training vs validation metrics

Code: [https://github.com/Yared-](https://github.com/Yared-Mengiste/traffic-accident-neural-network-classifier)

[Mengiste/traffic-accident-neural-network-classifier](https://github.com/Yared-Mengiste/traffic-accident-neural-network-classifier)

Ecommerce – Vehicle Marketplace

Laravel (Blade), SQLite- Responsive platform for buying and selling cars.

- Implemented authentication, CRUD operations, and search filters.

Code: [github.com/Yared-](https://github.com/Yared-Mengiste/CarEcommerceWithLaraveBladeAndSQLite)

[Mengiste/CarEcommerceWithLaraveBladeAndSQLite](https://github.com/Yared-Mengiste/CarEcommerceWithLaraveBladeAndSQLite)

Book Ecommerce – MERN Stack

Node.js, Express, MongoDB, React

- Online bookstore with book management, authentication, cart, and orders.

API Repo: [github.com/Yared-](https://github.com/Yared-Mengiste/Book_Selling_Api_with_express)

[Mengiste/Book_Selling_Api_with_express](https://github.com/Yared-Mengiste/Book_Selling_Api_with_express)

RELEVANT SKILLS

- **Languages:** Python, Java, C#, JavaScript, PHP
- **Frameworks:** TensorFlow / Keras (basic), React, Spring Boot, Laravel, Node.js, Express
- **Databases:** MySQL, PostgreSQL, SQLite
- **Tools:** Git, Linux, VS Code
- **Concepts:** OOP, REST APIs, Authentication, Responsive Design, MVC, CRUD, Deployment

EDUCATION

BSc in Software Engineering

Hilcoe School of Computer Science and Technology,

Expected Graduation: 2026

Finished Grade 12

Ledeta Catholic Cathedral School,
2017 - 2021

With Score: 504