

Abdulmajeed Kabala

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EDUCATION

Kennesaw State University

Kennesaw, GA

Bachelor of Science in Computer Science

- **Concentration:** Artificial Intelligence
- **Related Coursework:** Data Structures & Algorithms, Object Oriented Programming, Software Engineering

PROJECTS

Food Or Not Food | Python, Hugging Face, PyTorch, Scikit-Learn, Numpy

[Hugging Face Hub](#)

Deep Learning Model

- Developed and deployed a deep learning model using **TensorFlow 2.x** and **transfer learning** to classify **120 dog breeds** from a dataset of over **10,000 labeled images**, achieving high accuracy in multi-class image recognition.
- Implemented **data ingestion, preprocessing, and augmentation** pipelines to optimize GPU utilization and improve model generalization.
- Fine-tuned a **pretrained CNN from TensorFlow Hub**, leveraging **EarlyStopping** and **TensorBoard** for performance monitoring and hyperparameter optimization.
- **Conducted model evaluation using validation/testing datasets and exported trained weights for model persistence and reuse.**

Dog Vision | Python, Tensorflow, Scikit-Learn, Keras, Numpy, Pandas, Matplotlib,

[Github Repository](#)

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Sale Price Prediction | Python, Scikit Learn, Numpy, Matplotlib, Pandas

[Github Repository](#)

Machien Learning Model

- Built an **end-to-end regression model** using **Scikit-Learn** to predict bulldozer sale prices across **400,000+ auction records** with **50+ equipment features**, achieving an RMSLE of **0.245** on the test set.
- Engineered **15+ date-based, categorical, and numerical features**, reducing missing values by **100%** through targeted imputation and boosting model accuracy by **12%** compared to baseline.

EXPERIENCE

MapConnect

San Francisco, CA

Providing a mobile web app designed to seamlessly navigate campuses for students, parents, and visitors alike.

Software Engineer Intern

Jan 2025 - May 2025

- Recreated mapping software using **Javascript, HTML, CSS**, and the Mapbox library in order to improve the security of the software by **50%**.
- Engineered custom navigation pathways for new schools using **Javascript** and the Mapbox library, expanding the company's service coverage by **12.5%** and improving campus accessibility.

Colorstack

Remote, US

Software Engineer

Oct 2024 - Present

- Spearheaded the implementation of a duplicate resource prevention mechanism using **React.js** and **Typescript**, improving community data accuracy and reducing redundant submissions by over **90%**.
- Contributing new features and resolving critical bugs for Colorstack's open-source Oyster project, collaborating with 80 engineers to maintain a production codebase serving over **16,000** active users.
- Engineering and rigorously testing new features for Admin Dashboard and Member Profile applications, resolving critical bugs and achieving a **98%** user satisfaction rate.

SKILLS

Programming Languages: Python, Java, Javascript, Typescript, C#, C++, SQL

Tools & Libraries: PyTorch, Tensorflow, Scikit-Learn, Keras, Numpy, Pandas, Matplotlib