Shin Le

Entry-Level Machine Learning Engineer

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PROFESSIONAL SUMMARY

Driven and skilled Machine Learning Engineer with a focus on developing and implementing advanced machine learning models. Strong foundation in data preprocessing, model building, and optimization. Passionate about working on AI-driven applications, especially in the realm of sound and video generation. Aspiring to grow in the field of AI with an emphasis on generative models and audio/video recognition.

EDUCATION

- **B.S in Applied Mathematics** *Florida State University*
- **A.A in Mathematics** *Indian River State College*
- **Certifications : IBM Data Science Professional Certificate, IBM Data Analyst Professional Certificate**

PROJECTS

Data Science: Car Price Prediction *(08/2023 – 12/2023)*

Florida State University

- Led data exploration and created a comprehensive report on used car prices using a dataset spanning from 1995-2023 with 250,000 records.
- Applied various machine learning algorithms to build a price prediction model.
- Conducted data cleaning, managed missing data and outliers, and selected relevant features for the final model.

Machine Learning: Churn Prediction *(10/2023 – 12/2023)*

Florida State University

- Engineered and optimized a machine learning model using Python to predict churn for a movie subscription service.
- Utilized advanced ML algorithms such as Random Forest, Gradient Boosting, AdaBoost, SVM, Neural Networks, and PCA.
- Resolved issues with class imbalance through resampling techniques and applied feature selection to improve model accuracy.

Database: Library Management System *(01/2023 – 04/2023)*

Florida State University

- Developed a database system for a library using SQL, improving functionality and performance through effective database design.
- Integrated user interfaces for staff and members, along with overdue reminders and book recommendation features.

Numerical Analysis: Newton's Method vs. Muller's Method for Finding Roots *(08/2022 – 12/2022)*

Florida State University

- Conducted a comparative analysis between Newton's and Muller's methods for finding nonlinear roots using C++.
- Assessed the efficiency, accuracy, and stability of both algorithms with detailed visualizations.

JOBS

GED Program Math Tutor (*07/2022 - 01/2023)*

Online

- Taught math concepts to adult learners preparing for their GED, focusing on problem-solving and foundational skills.

TOP SKILLS

Machine Learning	Deep Learning	Artificial Intelligence	Time Series	Applied Regression
Data Mining	Data Visualization	Data Analytics	Model Optimization	SQL
Python & C++	Mathematical Modeling	Database Management	Project Management	Problem Solving
Communication	Teamwork			