Aaron J, Milligan

Machine Learning Engineer with a solid background in Python, data analysis, and model development, looking to apply my skills in the healthcare field. Experienced with deep learning, neural networks, and data visualization using tools like Jupyter Notebooks. Interested in contributing to data-driven healthcare solutions that support better patient outcomes and more efficient clinical processes. Strong communicator and problem solver, comfortable working across technical and non-technical teams.

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https://amilliganportfolio.netlify.app/

PROJECTS

Neural Network (Dog Breed Predictor)

- Developed a multi-class dog breed classifier using transfer learning on 10K+ images, preprocessed data into tensors and fine-tuned a TensorFlow model for high-accuracy predictions.

Regression Model (Bull Dozer Price)

- Built a regression model using Scikit-Learn to predict future bulldozer sale prices, performed data cleaning, feature engineering, and model tuning to improve predictive accuracy.

Skills and Languges

- Communication Written/Interpersonal
- Artificial Neural Networks
- Creative Problem Solving
- End-to-end Testing
- Pattern Recognition
- End-to-end Testing
- Languges: Python (NumPy, Pandas, Scikit-learn, Matplotlib), TensorFlow, ReactJS, JavaScript, Css, Html

EDUCATION

Zero to Mastery

Complete A.I. Machine Learning and Data Science

WORK EXPERIENCE

Pacific Stone Fabrication

Installer — Aug 2019 - Present

- Regularly solved logistical and on-site challenges through adaptive problem-solving — skills now applied to data analysis, model optimization, and real-world machine learning solutions.
- Collaborated daily with a partner and cross-functional crews, using clear communication and critical thinking to complete complex, detail-driven installations efficiently and safely.
- Developed a strong eye for precision, consistency, and client satisfaction in high-stakes environments.