Jessica Claire

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EDUCATION

Master of Science | Computer Science   2024
Illinois Institute of Technology, Chicago, IL
- Graduate Pathway Scholarship Recipient

Executive PG Programme | Machine Learning And AI   01/2023
International Institute of Information Technology, Bangalore, India

Bachelor of Technology | Electronics and Communication Engineering   09/2020
Govt. Model Engineering College, Kochi, India
- Central Sector Scheme Scholarship Recipient
- GPA - 7.9/10

PROFESSIONAL SUMMARY

Machine Learning Engineer skilled in Neural Network Models and NLP with 2+ years of experience creating machine learning models and retraining systems and transforming data science prototypes to production-grade solutions. Consistently optimizes and improves real-time recommendation systems by evaluating strategies and testing changes. Consistently employs statistical methods and designs to yield real gains from model changes.

SKILLS

- **Technical Skills:** Python, CNN, Data Visualization, C++, NLP, KNN, SQL, OpenText Exstream, Flutter, HTML, CSS, Facility Inspections, Software Installations, End-User Support, Service Delivery, IT Support, Risk Assessments.
- **Data Science Tools/Libraries:** NumPy, Pandas, TensorFlow, Keras, Pandas, Seaborn, Matplotlib, Scikit-Learn, NLTK.
- **Areas of Interest:** Machine Learning, Data Science, Deep Learning, Chatbot Development.

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WORK HISTORY

DATA SCIENCE ANALYST   11/2020 to 07/2022
Castleton Commodities International Llc | Stamford, CT
- Developed revenue model based on Machine Learning and enhanced productivity of client by 30%
- Implemented and evaluated artificial intelligence and machine learning algorithms and neural networks for diverse industries.
- Documented procedures and business processes and shared information with appropriate stakeholders.
- Researched and recommended process improvements designed to mitigate operational and financial risk.

MACHINE LEARNING INTERN   06/2019 to 07/2019
Exact Sciences | Armonk, NY
- Created chatbot that books doctor appointments for a Healthcare Company by using NLP.
- Trained and developed algorithm that used NLP for implementing a bot that deals with customer communication.

MACHINE LEARNING INTERN   06/2018 to 07/2018
Exact Sciences | Boise, ID
- Developed basic board game with the help of Reinforced Learning ML Algorithm.
- Worked with developing a website for implementing the board game.

PROJECTS

- **Emotion Detection in Speech using CNN**
- Developed an algorithm which identified emotions (Happy, sad etc.) from speech signal.
- Leveraged technologies like CNN, Python, MFCC Feature Extraction.
- **Housing Price Prediction**
- Predicted whether or not to invest in the potential assets based on their actual value predictions.
- Utilized technologies like Python, Regression, RFE.
- **Bike Sharing Demand Prediction**
- Modeled the demand for shared bikes with the available independent variables.
- Used tools/techniques like Numpy, Pandas, Sklearn, Regression.

PROFESSIONAL DEVELOPMENT

- **Neural Networks and Deep Learning** - Coursera MOOC by deeplearning.ai
- **Improving Deep Neural Network: Hyperparameter tuning, Regularization and Optimization** - Coursera MOOC by deeplearning.ai
- **Structuring Machine Learning Projects** - Coursera MOOC by deeplearning.ai
- **Introduction to FPGA Design for Embedded Systems** - Coursera MOOC by University of Colorado Boulder
- **Internetwork Security** - NPTEL MOOC by Indian Institute of Technology
- **Beginner and Intermediate Pandas Python Library for Data Science** - Coursera Project Networks
- **Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning** - Coursera MOOC by deeplearning.ai

EXTRACURRICULAR PURSUITS

- **Co-founded** of a food chain named Frito!
- Secured **2nd** position in state and achieved **104** Olympiad rank in the International Olympiad of Science.
- Secured **6th** position in state and achieved **326** Olympiad rank in the International Talent Hunt Olympiad.
- **Mentor of MEC LABS**, Technical Project Competition.
- **Core member** of IEEE during Undergraduate studies
- **Hosted** the Robowar Event held at Govt. Model Engineering College, Kochi