SIRI RAAVI

DATA SCIENCE | MACHINE LEARNING | DATA ANALYTICS

CONTACT

- siri.raavi09@gmail.com
- (979) 331-4838
- Seattle, WA
- linkedin.com/in/siri-raavi
- github.com/SiriRaavi
- siriraavi.github.io

PROFILE

Data Science professional with 3.5 years of work experience and in-depth knowledge of machine learning and programming.

EDUCATION

2018
UNIVERSITY OF HOUSTON
M.S. in Computer Systems Engineering

2014
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
B.Tech. in Electrical and Electronics Engineering

TECHNICAL SKILLS

- Machine learning, Scikit-learn, NLTK, Spark MLlib, NumPy, SciPy, pandas, matplotlib, plotly, seaborn
- LSTM, CNN, TensorFlow, Theano,Lasagne
- Software Engineering, Flask
- Data Analysis, Excel
- Data Visualization, Looker
- Probability and Statistics
- Python, SQL
- Linux/Ubuntu, HTML, CSS, Dash, AWS, GCP, GIT, Heroku, Nano
- PyCharm, Jupyter notebooks, Anaconda

EXPERIENCE

OCT 2018 - PRESENT
Data Scientist | Sweeten, Inc., New York, NY

- Developed a machine learning algorithm for our core operations that matches the client project with the best general contractors which **improved sales by 32%.**
- Designed and developed solutions that assess the quality of the leads and predict sales for the month. Created effective workflows that **reduced manual effort by 46%**.
- Built interactive mission-critical dashboards that guide day-to-day operations, planning, and strategic decision-making.
- Set up, maintained, and streamlined data analytics infrastructure and ordered our data pipelines to enable **machine learning at scale.**
- Collaborated with product, marketing, and sales teams translating business constraints and product management queries into experimental design and considered ways to test, track, measure, and optimize across systems.

JAN 2017 - OCT 2018
Research Assistant, HULA Lab | University of Houston, Houston, TX

- Developed a framework to train neural networks with memory capacity in classifying images using small number of samples as part of my Master Thesis.
- Trained **Memory Augmented neural network** on MNIST data with few samples in One vs All approach for **100,000 episodes** and achieved highest accuracy of **96.2%** even with the presence of label noise.
- Collaborated design and development of Generative adversarial model to retrieve chest radiographs for radiology toolkit.

JUL 2014 - JUL 2016
Application Software Developer | NTT DATA, India

- Streamlined major production issuances and access to users and ensured optimal performance of databases.
- Developed an internal tool automating few tasks reducing the manual effort and time spent by 85% while **improving efficiency by 30%.**

PROJECTS

- **Radiologist Gaze:** Collaborated with radiologists from M.D. Anderson Cancer Center to collect and analyze radiograph gaze pattern analysis. Gaze features were extracted using clustering and warping methods. Developed an algorithm to **capture the cognitive components** of the radiological processes such as visual, attentional and decision.
- **Kaggle House Price Prediction:** Predicted the Sale price of the houses in Ames, Iowa using a combination of rich historical data and machine learning algorithms. A stacked regressor model yielded best results with an **accuracy of 96.32%.**