

AVINASH KADIMISSETTY

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EDUCATION

University of Illinois Urbana-Champaign

Master's degree, Computer Science; GPA: 4.0/4.0

Relevant Coursework: Machine Learning, Deep Learning, Computer Vision

Champaign, Illinois

August 2018 – December 2019

IIITDM Kancheepuram

Bachelor's degree, Computer Engineering; GPA: 9.35/10

Relevant Coursework: Linear Algebra, Probability & Statistics, Data Structures & Algorithms, Database Systems

Chennai, India

August 2012 – July 2016

WORK EXPERIENCE

Yahoo!

Summer Intern

Champaign, Illinois

May 2019 – August 2019

- Created a new data feed using Ads data from all platforms to generate faster and actionable insights for advertisers
- Dashboards built with Presto reduced workload of sales team for a customer meeting by 70%
- Refined Yahoo homepage article recommendation model AUC by 2% using feature hashing to handle sparse data
- Collaborated with a team of 6 people to create data hub to help users search information at Yahoo in 2 clicks

Evive Software Analytics

Jr. Data Scientist

Bangalore, India

January 2017 – July 2018

- Analyzed historical clickstream data and enhanced conversion rates by 13% for email advertisement campaigns
- Identified patients at high risk of hospital readmission through predictive modeling to save \$13,800 per person
- Trained ML models on AWS instances to predict surgeries to avoid \$2.1mn in unnecessary treatments
- Accelerated report generation at Evive to cut down analysis time by 60% to deliver faster reports for new customers

Mu Sigma Business Solutions

Trainee Decision Scientist

Bangalore, India

August 2016 – January 2017

- Developed a web-app to store and analyze scrum details to lower bi-weekly sprint analysis hours by 15%
- Added new visualizations to show optimum spends across multiple channels in a marketing mix product

TECHNICAL SKILLS

Tools & Libraries: Spark, Hadoop, Oozie, PyTorch, TensorFlow, H2O, Scikit-Learn, Pandas, NLTK, Matplotlib, Tableau

Languages: Python, R, SQL, Apache Pig, Hive, C, C++, Java, HTML, CSS, JavaScript

Techniques: Linear & Logistic Regression, k-NN, Random Forest, SVM, Boosting, CNN, LSTM, k-Means, GMM, HMM

PUBLICATIONS

Frequent Pattern Mining approach to Image Compression

22nd IEEE International conference on Advanced Computing and Communications

India

September 2016

- Designed an Image Compression algorithm using Clustering and Frequent Sequence Mining
- Observed an improvement of 45% in compression ratio on benchmark datasets compared to existing alternatives

Image Compression – A Frequent Sequence Mining perspective employing efficient clustering

13th International IEEE India Council International Conference

India

December 2016

- Devised a compression algorithm using Clustering and Sequence Mining by exploiting neighborhood properties
- Achieved 18% better compression ratio on benchmark image Lena, outperforming GIF algorithm

PROJECTS

Neural Image Caption Generator: Built an image captioning system using pretrained Resnet and 5-layer GRU model architecture to describe an input image in English. Achieved a BLEU-4 score of 22.0 on MSCOCO dataset

Image Super Resolution: Created an image super resolution framework for x-ray images using Single Image Super Resolution Residual Neural Network. Stood in top 10 percentile of class with an average RMSE of 1.41