

ROHIT GANGUPANTULU

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EDUCATION

The Pennsylvania State University

B.S. in Computer Science and Statistics, Minor in Mathematics

GPA: 3.39

Expected Graduation: May 2020

University Park, PA

EXPERIENCE

Goodyear

Data Science Intern

May 2019 - Present

Akron, OH

- Developed reactive dashboards of supply v demand for Goodyear's tire inventory, using R, Shiny and PowerBI
- Implemented predictive machine learning models for trends of tires using Tensorflow, Python and R.
- Used Azure Cognitive Services to create a data cleaning pipeline using classification techniques
- Managed intern experience like a product using Azure DevOps

Partsimony

Machine Learning Engineer

April 2019 - Present

New York, NY

- Developed price prediction models using ensemble regression techniques in R and Python
- Set up the back-end infrastructure to serve machine learning models seamlessly through AWS
- Implemented scripts to communicate with various APIs on the app using Node.js, GraphQL and PostgreSQL

Allegion Plc

Data Scientist Intern

May 2018 - August 2018

Indianapolis, IN

- Developed a model management app that provides visualizations, monitoring, and retraining using Flask
- Implemented speech-to-text analysis of customer service calls using the Azure Speech API and spaCy
- Assembled and developed a price sensitivity model using company sales data from Hadoop clusters, using R.

Networkly

Machine Learning Engineer

December 2017 - Present

State College, PA

- Developed various features for the front-end of the web app using React.js and Redux library
- Implemented several chatbots for usage with customer service using Node.js and spaCy
- Developed a spam filter algorithm using Python for usage with user communication

The Pennsylvania State University

Research Assistant

January 2018 - May 2018

State College, PA

- Researched and implemented new algorithms for transcription-factor binding - using TensorFlow and Keras

OrderIn

Software Engineering Intern - Machine Learning

June 2017 - September 2017

Cape Town, South Africa

- Developed and integrated a restaurant recommender system using clustering algorithms with Jupyter Notebook, AWS Lambda, and Python - tested with customer orders with roughly 80% accuracy
- Assembled queries using MS SQL Server that covered high volume of users and transactions of the company
- Designed and implemented a driver assignment algorithm optimized for fastest delivery time using Python

PROJECTS

The Rap Machine (Tech: Python, TensorFlow, Keras, spaCy)

June 2017

- Developed a lyric generator and implemented a classifier for rap music using recurrent neural nets

JP Morgan Code for Good Hackathon

October 2017

- Developed a web app for a non-profit using Django and AngularJS

TECHNICAL SKILLS

Languages

Python, C++, JavaScript, R

Data Libraries

Pandas, NumPy, scikit-learn, matplotlib, caret, dplyr, d3.js, Flask

Database/Data Tools

SQL, JSON, MongoDB, Tableau, Hadoop, Spark, Postgres SQL

Machine Learning

neural networks, spaCy, TensorFlow, Keras, OpenCV

Tools

Git, Vim, UNIX, Anaconda, OpenCV, Azure