

Vishakh Gopu

CONTACT

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EDUCATION

M.S Computer Science 2016-
Courant Institute at New York University

B.S (double major) Computer science, Economics 2011 - 2015
University of Rhode Island

EXPERIENCE

Research Assistant 2016 -
Clinical Machine Learning Group NYU, moved to MIT
Patient similarity learning from real patient ICU data using variational autoencoders.

Jr. Research Programmer 2015 - 2016
Wolfram Research, Full-Time
Designed and developed data science tools as part of the advanced research group.

Software engineering intern 2014 - 2015
Farsounder
Developed a service that monitored and visualized the relative quality of 3-D sonar images.

Software engineering intern Summer 2014
National Oceanic and Atmospheric Administration
Implemented a statistical model to estimate the habitat availability of fish populations.

SOFTWARE ENGINEERING SKILLS

Languages PYTHON, C, JAVA, R, C++, SQL
Other NUMPY, PANDAS, ZEROMQ, KERAS, TORCH, SCIKIT-LEARN

PROJECTS

Policy optimization in reinforcement learning
Foundations of Machine learning final project
Review of optimization in RL and attempted to improve Trust Region Policy Optimization.

Gibbs GAN
Inference and representation final project
Explored an energy based interpretation of Generative adversarial networks.

Comparison of manifold learning algorithms
URI ML group
Won best poster presentation award at Sigma Xi northeast conference 2015.