

Deval Shah

Data Scientist - Analytical Flavor Systems

New York, NY - Email me on Indeed: [indeed.com/r/Deval-Shah/f32dbe863afe86b8](https://www.indeed.com/r/Deval-Shah/f32dbe863afe86b8)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Data Scientist

Analytical Flavor Systems - May 2016 to Present

- Built end-to-end Machine Learning models in R
- Automatically generated PDF reports concerning analysis of specific products (RMarkdown, LaTeX)
- Natural Language Processing on specific reference flavors that reviewers noted when tasting a product, using techniques like term frequency-inverse document frequency and stepwise regression
- Projection of preferences of professional tasters onto new and untested markets
- Used Genetic Algorithms to guide new product development for beverage production companies
- Produced many client-facing data visualizations (ggplot2)
- Assisted in setting up Realtime Data Analytics Architecture (Apache Spark, Nifi, Databricks)
- Experience querying from and writing to databases (PostgreSQL)

President, Founding Member

Analytical Flavor Systems - June 2016 to December 2016

Stony Brook Machine Learning Team

- Coded a multilayer neural network using Theano
- Coded ID3 Tree from scratch
- Presented various Machine Learning techniques like Neural Nets, SVM, PCA, SMOTE, Restricted Boltzmann Machines, Random Forest

EDUCATION

B.A in Economics, Psychology

Stony Brook University

2017

SKILLS

JAVA (Less than 1 year), PYTHON (Less than 1 year), SQL (Less than 1 year), R (2 years), Machine Learning (2 years)

LINKS

[http://github.com/devu123](https://github.com/devu123)

[http://linkedin.com/in/deval-shah-709740b2](https://www.linkedin.com/in/deval-shah-709740b2)

PUBLICATIONS

Ambrosia

<https://devuroasts.wordpress.com>

Personal Food and Beverage Blog

ASBC 2017 Predicting Market Preference Poster

<https://gastrograph.com/assets/images/conference-posters/asbc/asbc2017.png>

ADDITIONAL INFORMATION

Skills

Languages: R, Python, Processing(Java), LaTeX, SQL

Hackathons: Hackfeat(3rd place for Responsive Headphones), Hack The World, Spotify

Leadership (President): SBU ML Team, Economics Honors Club & ODE Honor Society, SBU Needleworks

Professionally Trained Taster