




RITTIK GHOSH

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-  [Blog: rittikghosh.com](https://blog.rittikghosh.com)
-  <https://www.linkedin.com/in/rittikghosh/>
-  <https://github.com/rittik97>

TECHNICAL SKILLS

Machine Learning

Scikit-learn, Catboost,
Tensorflow/Keras, Pymc3

Data pre-processing & manipulation

Pandas, Numpy, sklearn_pandas,
Imbalanced-Learn, OpenCV

Data Visualization

Matplotlib, Seaborn, Altair

BI Tools

Looker, Tableau, Klipfolio

Databases

SQL Server, PostgreSQL

Web Development

Python-Flask, HTML, JavaScript,
jQuery CSS

Miscellaneous

git, Jupyter Notebooks, Google Colab

EDUCATION

Data Science Immersive

Bitmaker General Assembly
Nov, 2019 – Mar, 2020

MS in Operations Research

Columbia University
Sep, 2013 – Dec, 2014
Co-developed a wearable to help the
visually impaired navigate Manhattan,
finalist at Columbia Ventures.

CFA level 1 (highest band)

BE in Computer Engineering

University of Mumbai
Aug, 2009 – May, 2013
Distinction, Salutatorian

RECENT PROJECTS

Climate Dash [github link](#)

Exploring changes in forest/ice cover using Landsat 8 satellite imagery.
Time series analysis in Facebook prophet, CNN/UNET in Tensorflow, Flask.

Pokemon-Go location predictor [github link](#)

Discover neighborhoods and weather conditions to find desired pokemon.
Catboost, SHAP, Google reverse geocoder API, beautiful soup, Flask.

AirBnB Price Optimizer [github](#)

Recommends listing price based on several input features.
ANN in Tensorflow, ElasticNetCV, DataFrameMapper, Jupyter Notebook

PROFESSIONAL EXPERIENCE

Founder/Co-founder

[Q4 Finance](#), Jul, 2018 – Nov, 2019

A Bloomberg terminal for everyday investors

- Led a team of 2 engineers to complete development in less than a year, including a comprehensive pipeline to ingest over a million data points across equities, ETFs, and options.
- Wrote scripts in python (numpy & pandas) to derive insights and power visualizations for portfolio management that are unique to the platform.
- Experience with Google Analytics, Hotjar, and major advertising platforms.

Luminova Technologies Inc., Aug, 2017 – Jun, 2018

Delivered complex IoT solutions to large scale manufacturing units

- Engaged and collaborated with several stakeholders including C-level executives, engineers, and factory managers to understand & translate evolving requirements into effective implementations.
- Created multithreaded python-Flask apps with a SQL server backend to extract and process data from the factory floor.
- Managed a team and used SQL Server, VB.NET, python, HTML5, JQuery/ AngularJS to create proprietary technologies including a SCADA system.

Senior Analyst

[Jet.com](#), Jan, 2015 – May, 2016

E-commerce unicorn acquired by Walmart for \$3.3B in 2016

- Responsible for operational reporting with frequent presentations to the COO.
- Aggregated cross-team data to create source of truth tables to facilitate analysis and provide operational visibility.
- Developed SQL powered dashboards in BI tools to help drive customer engagement, process improvement, vendor & inventory management.
- Designed and prioritized feature development for the returns and refund process, product managed integrations with Braintree and Apple Pay.