

RAJAT TRIPATHI

CONTACT

PHONE:

+1 857-869-1126

EMAIL:

rajat.tripathi.08@gmail.com

LINKED-IN:

[linkedin.com/in/rajat-tripathi-08](https://www.linkedin.com/in/rajat-tripathi-08)

WEBSITE:

rajat08.github.io

GITHUB:

github.com/rajat08

SKILLS

Machine Learning Algorithms
Computer Vision
Image Processing
Machine Learning Pipelines
Back End Development
Software Engineering & Design
Test Driven Development

TOOLS & LANGUAGES

Pytorch
Kubernetes
Openshift
MLflow
Spring Framework
Django
WildFly
Python,Java,JavaScript

EDUCATION

MASTER OF SCIENCE

Artificial Intelligence
Boston University
August 2019-January 2021
CGPA- 3.71

BACHELOR OF TECHNOLOGY

Computer Science
Manipal University
2013 – 2017
CGPA-3.7

WORK EXPERIENCE

BU Spark!

Boston,MA

Machine Learning Project Manager

Sept. 2019 - Dec. 2020

- Managed teams consisting of Boston University students for semester long ML & data science projects through every step of the ML lifecycle from problem definition to deployment following Agile.
- Worked on and delivered more than 10 projects to clients from NGOs,academia and government organizations , which are in active usage.

Red Hat

Boston,MA

AIOps Intern

May 2020 - Aug. 2020

- Created BERT based sentiment analysis model on proprietary data and public data (for public distribution) supplemented with interpretability models from IntrepretML.
- Worked with the team on deployment pipelines via OpenShift ,MLflow and standardizing ML workflows.
- Measured usage patterns and reach of ML projects via JupyterHub and server usage using Grafana and Prometheus.

Udacity

Remote

Computer Vision Mentor

Feb. 2019 - Aug. 2020

- Mentored more than 60 students across the globe for Udacity's Computer Vision program on topics like OpenCV, deep learning,single shot learning,attention, object tracking & localization.
- Reviewed and helped with the following projects : Facial Keypoint Detection,Caption generation from Images and Landmark Detection .

Amadeus IT

Bangalore,India

Software Engineer

Nov. 2017 - June 2019

- Worked in the platform engineering department as a backend developer with a team developing internal CI/CD tools.
- Helped develop a middleware Java Spring application requiring high availability (99%<) and managing artifacts that are deployed in the data centres.
- Developed REST APIs handling more than a million calls daily.

Software Engineering Intern

Jan. 2017 - June 2017

- Worked with the quality governance team to help build an application lifecycle management web tool which improved efficiency by 20% or more for QAs.
- Developed key features for the web tool using Angular & JavaEE tech stack.

KEY PROJECTS

- Active Learning with Sentence Error Classification in Machine Translation** : Worked on a proposed research paper using a new criteria for active learning selection for neural machine translation using different models and low resource languages.
- 3D Tumor Segmentation from Lung CT Scan for Malignancy Classification**: Worked at NIA Lab on a larger project sponsored by J & J where I was focusing on 3d image segmentation using traditional and deep learning methods
- Content Aware Image Resizing using Saliency Maps** : Worked on a project which makes use of both classical vision methods like seam carving and deep learning (saliency maps) in conjunction for automatic content aware image resizing.
- Segmentation and Classification of Broken Sidewalks** - Worked with the City of Boston to identify broken sidewalks by looking at Google Maps images as a part of initiative to make the city more accessible.