Abhishek Gawande

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To put in to practice my technical skills and creativity, that will allow me to expand upon my education, continue to learn and provide enriching career where I can be a part of a team that helps to achieve the organization's success.

SKILLS

- **Python**
- Java
- C++, R
- **MySQL**
- Firebase
- HTML, CSS, Bootstrap

- **Machine Learning**
- **Deep Learning**
- Data Structures
- Algorithms
- Exploratory Data Analysis

- Pandas, Numpy
- Matplotlib
- Seaborn
- Scikit-learn
- Keras
- **Flask**

EDUCATION

Graduated 05/2019

Bachelor of Technology (B.Tech)
- Government College of Engineering, Amravati
- Branch: Information Technology
- CGPA: 7.92 / 10

May 2015

XII
- Vidyabharti Mahavidyalaya, Amravati, Maharashtra
- 78.77 %

June 2013

X
- Manibai Gujarati High School, Amravati, Maharashtra
- 88.40 %

PROJECTS

Microsoft Malware Detection
- https://drive.google.com/file/d/1T276MP81IXiIVF9qjTXO39MGQJf77-Fq/view?usp=sharing
- Objective: Multi-class classification of malware data.
- Pixel intensities from .asm files and bigram from byte files added as features.
- Improved **Multi-class log loss** up to **0.06.**

Link Prediction on Facebook Graph Dataset
- https://drive.google.com/file/d/1xNwEpIb95cPwB02SpADVFFqAP9JMaDG0/view?usp=sharing
- Objective: Predict missing links in a directed social graph.
- Added Preferential Attachment with followers and followees data of vertex.
- Added Dot product between source node svd and destination node svd features.
- Improved **accuracy** to **0.9241.**

Image Captioning Using LSTM
March 2020 – June 2020

- (CODE) https://www.kaggle.com/abhishekgawande/image-caption-eda
- https://abhishek-gawande.github.io/blog/image-caption-generation-using-lstm
- Trained **Flicker 8k** dataset.
- Used pre- trained CNN model for **feature extraction.**
- Implement **LSTM** for generating text.
- Tested on **BLEU score** metric.

Image restoration with machine learning
Dec 2018 – April 2019

- (CODE) https://github.com/Abhishek-Gawande/exposure
- https://abhishek-gawande.github.io/blog/image-restoration
- Trained on **MIT-Adobe fivek** dataset.
- Implemented infinite-resolution image processing with **GAN** and **RL** from unpaired image datasets.
- Used a differentiable photo editing model.

ACHIEVEMENTS

MACHINE HACK   The Tea Story – Weekend Hackathon Edition 2
- Secured **12th rank** on Private Leaderboard.

Global Ranking on this Platform is in **top 4 percentile**.

INTERNSHIP

IIT KANPUR   **Applied Machine Learning and Data Science**

- March 2020 – June 2020
- Implement various Machine Learning Algorithms using **scikit-learn** and **Keras**.

FIELD OF INTREST

- Machine Learning
- Deep Learning
- Data Analysis