



# Subodh Lonkar

Passionate about applying Machine Learning, Deep Learning, Data Science & Automation techniques for solving real world problems.

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13 March, 1997 📅

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github.com/learner-subodh 🐙

learner-subodh.medium.com 📝

I'm a young, motivated & smart working Computer Engineer passionate about cutting-edge technology and solving real world business problems. Eager to convert data into business achievements. I strongly believe that Data, when glued with Mathematics and best suitable Machine Learning & Deep Learning algorithms possess the key to solve even the hardest of the problems in quick time. Know more at <https://learner-subodh.github.io/>.

## WORK EXPERIENCE

### Technical Writer The Startup

01/2021 - Present

Medium's largest active publication, followed by +768K people.  
<https://medium.com/swlh>.

Achievements/Tasks

- Develop & Publish high quality technical content in the field of Computer Science.
- Publication: <https://medium.com/swlh/kkbox-music-recommendation-challenge-3cfe609773a0>.
- Publication: <https://medium.com/swlh/training-an-mlp-from-scratch-using-backpropagation-for-solving-mathematical-equations-91b523c24748>.

### Technical Writer Analytics Vidhya

08/2020 - Present

Analytics Vidhya is a community of Analytics and Data Science professionals.  
<https://www.analyticsvidhya.com>.

Achievements/Tasks

- Develop & Publish high quality technical content in the field of Computer Science.
- Publication: <https://medium.com/analytics-vidhya/dimensionality-reduction-by-stochastic-gradient-descent-f617ebde3c1b>.

### QA Automation Associate, R&D

#### Aptify Software Development Solutions

11/2019 - Present

Pune, India

Achievements/Tasks

- Research and Develop solutions to enhance Automation Framework. Design & implement robust, quality test cases for better quality of the product. Maintenance & modification of existing test cases. Worked on obtaining coverage of development code using automated test cases.

### Software Developer, R&D

#### Aptify Software Development Solutions

08/2019 - 11/2019

Pune, India

Achievements/Tasks

- Research and Develop solutions to Software Engineering Problems.

## EDUCATION

### Bachelor of Engineering, Computer Engineering Savitribai Phule Pune University

07/2015 - 06/2019

Pune, India

CGPA

- 9.02

## SKILLS

Machine Learning

Deep Learning

Computer Vision

Natural Language processing

Recommendation Systems

Python

SQL

Tensorflow

Keras

C/C++

## PERSONAL PROJECTS

### WSDM - KKBox's Music Recommendation Challenge (12/2020 - 01/2021)

- Case Study of a Music Recommendation Challenge held in one of the Kaggle competitions. Achieved a Kaggle Score which places me in the Top 0.7% for this challenge.
- Blog: <https://medium.com/swlh/kkbox-music-recommendation-challenge-3cfe609773a0>.
- Web App for Overview of EDA: <https://share.streamlit.io/learner-subodh/streamlit-example/kkbox.py>.
- GitHub: [https://github.com/learner-subodh/Maschinelles-Lernen\\_und\\_Datenwissenschaft/blob/master/KKBox%20Music%20Recommendation%20Challenge](https://github.com/learner-subodh/Maschinelles-Lernen_und_Datenwissenschaft/blob/master/KKBox%20Music%20Recommendation%20Challenge).

### Dense Convolutional Neural Network on CIFR Dataset for Image Classification (09/2020 - 11/2020)

- Implemented Research Paper: <https://arxiv.org/pdf/1608.06993.pdf>
- Dataset used: CIFR Dataset

### Edge Detection in Images using Sobel Operator (08/2020 - 09/2020)

- Implementation of the idea of Edge Detection using Sobel operator.
- GitHub: [https://github.com/learner-subodh/Maschinelles-Lernen\\_und\\_Datenwissenschaft/blob/master/Edge%20Detection%20in%20Images%20using%20Sobel%20Operator/Sobel.ipynb](https://github.com/learner-subodh/Maschinelles-Lernen_und_Datenwissenschaft/blob/master/Edge%20Detection%20in%20Images%20using%20Sobel%20Operator/Sobel.ipynb).

## ACHIEVEMENTS

GATE CS/IT 2019 Qualified.

Ranked 6th in the Indian Engineering Olympiad 2019.

Solution to Kaggle Case Study "WSDM - KKBox's Music Recommendation Challenge" secured a place in Top 0.7% on the Leaderboard.

## INTERESTS

Writing Technical Blogs

Prototyping Ideas

Playing Sports

Exploring New Places

Listening To Music