Hi, I'm Shubham Panchal, a passionate Android + ML learner, who aspires to be a research scientist. Here's my mini portfolio where you can explore my projects, blogs and links to my other profiles.

- LinkedIn - Reach out to me here to get the fastest reply ⏭ !
- StackOverflow - My favorite website (and every programmer's 🤓)
- 🖊 Medium
- 🔨 GitHub

👉 Projects

- Realtime Depth Estimation In Android (GitHub)
- MLKit Selfie Segmentation in Android (GitHub)
- Age + Gender Estimation in Android with TensorFlow (GitHub)
- Using FaceNet For On-Device Face Recognition With Android (GitHub)
- Text2Summary Android (GitHub)
- Q-Learning With The Frozen Lake Environment In Android (GitHub)
- Hyperparameter Optimization With Genetic Algorithms in Kotlin (GitHub)
- Exploring Random Forests In Light Of Kotlin (GitHub)
- Coding Feed-Forward Neural Networks in Kotlin (or Android) (GitHub)
- Gaussian Naive Bayes (for Iris Classification) in Android (GitHub)
- How I made Skinly for Melanoma Detection in Android (GitHub)
- Designing Decision Trees From Scratch on Android (GitHub)
- Text Classification in Android with TensorFlow (GitHub)
- Sarcasm Detection using Word Embeddings in Android (GitHub)
- Hands-on With Multiple Linear Regression on Android
- Bayes Text Classification in Kotlin for Android without TensorFlow
- Introducing TensorFlow Lite Android Support Library

👉 Google Colab Notebooks On Interesting Machine Learning Topics.

Latest: Age + Gender Estimation in Android with TensorFlow

- Hyperparameter Optimization Using Keras Tuner API
- Image Colorization With GANs
- Chatbot using Seq2Seq LSTM models.
- Neural Machine Translation (NMT) - Translating English sentences to French sentences.
- Neural Machine Translation (NMT) - Translating English sentences to Marathi sentences.
- Image Classification From Scratch With TensorFlow 2.0 **(Without Keras!)**
- Cityscape Image Segmentation with TensorFlow 2.0 **(Without Keras!)**
- Face Landmark Detection With TensorFlow
- Neural Implanting With TensorFlow

- From Paper To Keras: MobileNets With TensorFlow
- From Paper To Keras: DenseNets With TensorFlow

👉 Stories On Medium

- Deploying TF Models on Heroku for Android Apps
- Accessing App Usage History In Android

- [No, Kernels & Filters Are Not The Same](#)
- [Deploying Pretrained TF Object Detection Models on Android](#)
- [Realtime Selfie Segmentation In Android With MLKit](#)
- [Grad-CAM: A Camera For Your Model's Decision](#)
- [MLP Mixer Is All You Need?](#)
- [Age + Gender Estimation in Android with TensorFlow](#)
- [Using FaceNet For On-Device Face Recognition With Android](#)
- [Coding Feed-Forward Neural Networks in Kotlin (or Android)](#)
- [Q-Learning With The Frozen Lake Environment In Android](#)
- [Hyperparameter Optimization With Genetic Algorithms In Kotlin](#)
- [Image Classification With TensorFlow 2.0 (Without Keras)](#)
- [Get Started With TensorFlow 2.0 and Linear Regression](#)
- [Cityscape Image Segmentation With TensorFlow 2.0](#)
- [4 Awesome Ways Of Loading ML Data In Google Colab](#)
- [Neural Implanting With AutoEncoders and TensorFlow](#)
- [Colorizing B/W Images With GANs in TensorFlow](#)
- [Exploring Random Forests In Light Of Kotlin](#)
- [Gaussian Naive Bayes (for Iris Classification) in Android](#)
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- [Designing Decision Trees From Scratch on Android](#)
- [Introducing TensorFlow Lite Android Support Library](#)
- [Introducing Text2Summary: Text Summarization on Android](#)

👉 [Demystifying Mathematics - Shubham Panchal](#)

- [Demystifying Monte Carlo Integration](#)
- [Demystifying Linear Independence](#)
- [Demystifying Probability Distributions (1 / 3)](#)
- [Demystifying Probability Distributions (2 / 3)](#)
- [Demystifying The Moore-Penrose Generalized Inverse](#)
- [Taylor Series And The Power Of Approximation](#)
- [Entropy In The World Of Computer Science](#)

👉 Threads on LinkedIn

I write shorts informative threads on LinkedIn which covers interesting topics from Math and Science. See them [here](#).