

Nikita Sukhwal

B.Tech – Government Women Engineering College,
Ajmer, Computer Science Engineering

sukhwal.niki@gmail.com
www.github.com/Nikita-Sukhwal
<http://www.linkedin.com/in/nikita-sukhwal>

Experience

1. Google: Summer Development Program
Domain: Data Structure and Algorithms
July, 2019 - September, 2019
2. Facebook Developer Circle: Mentor
Domain: Deep Learning
July, 2019 - September, 2019
3. Techienest Private Limited: Trainee
Domain: Machine Learning, Deep Learning, CV, NLP
May, 2019 - July, 2019

Education

1. Government Women Engineering College, Ajmer
B.Tech, Computer Science Engineering
June, 2021
Grade: 8.35 CGPA
2. DAV Public School, Kota (Senior Secondary)
June, 2017
3. Udacity
Computer Vision Nanodegree
Deep Reinforcement learning Nanodegree
Deep Learning Nanodegree
January, 2020
September, 2019
June, 2019

Relevant Coursework

Machine Learning*, Artificial Intelligence*, Python Lab*, Digital Image Processing*, Data Structure, Algorithm, Cloud Computing*, Data Communication and Computer Networks, Linux Shell Programming, Software Engineering, Automata, Java, Compiler Design, Statistics & Probability, DBMS, Operating System (*Ongoing Courses)

Technical Skills

Programming languages: C++, Python **Web technologies:** HTML, CSS, Flask Framework **Database management:** MySQL

Others: Data Science, ML, DL, AI, Deep Reinforcement Learning - ANN, CNN, RNN, NLP, NLU, NLG, LSTM, RASA, RL

Deep Learning Framework: PyTorch, TensorFlow 2.0 **Other Libraries:** PyTorch, TensorFlow, Scikit Learn, Numpy, Pandas, Theano, Seaborn
Cloud Platforms: AWS, GCP

Projects

1. **Movie Review Analysis**
 - A RNN for the purpose of determining the sentiment of a movie review and used the IMDB data set.
 - Created and deployed model using AWS: Amazon Sage Maker service and constructed a web app to interact with it.
 - https://github.com/Nikita-Sukhwal/Sentiment_Analysis_SageMaker_Deployment
2. **Dog Breed Classifier**
 - An image classifier for detection of dog and human in the image.
 - If detects dog can predict breed from 133 dog breeds and If detects human can predict resembling dog breed.
 - https://github.com/Nikita-Sukhwal/Dog_Breed_Classifier
3. **Generation of TV Scripts**
 - A RNN to generate own Seinfeld TV scripts and used Seinfeld dataset of scripts from 9 seasons.
 - The Neural Network built generated a new, "fake" TV script.
 - https://github.com/Nikita-Sukhwal/Generating_TV_Script
4. **Predicting Bike-Sharing Data**
 - To build a neural network from scratch to carry out prediction problem.
 - User can easily rent a bike from a particular position and return back at another position.
 - This feature and characteristics of data generated by these systems turns it into a virtual sensor network that can be used for sensing mobility in the city.
 - https://github.com/Nikita-Sukhwal/Predicting_Bike_Sharing_Patterns
5. **Facial key point detection system**
 - A deep learning architecture with computer vision techniques to build facial key point detection system.
 - Key points include points around the eyes, nose and mouth on the face.
 - It is able to look at any image, detect faces, and predict the locations of facial key points on each face.
 - https://github.com/Nikita-Sukhwal/Facial_Keypoint_Detection
6. **Image Captioning**
 - A neural network architecture is created to automatically generate captions from images. Training Dataset: MS COCO
 - https://github.com/Nikita-Sukhwal/Image_Captioning

Achievements

1. Selected for Regional Convention of Chhatra Vishwakarma Award, 2019 by AICTE.
2. Selected in 300 students out of 3000 applicants to attend Intern Tech Connect at Google, Gurgaon.
3. Selected for Summer Development Programme by Google and was among 175 selected ones from Asia Pacific Region to be in.
4. Awarded by FB Udacity Scholarship for DL, Deep RL and CV Nanodegree and was among the top 200 students globally.

Extracurricular

1. **ML, IOT workshop:** MNIT Jaipur
2. **Coordinator:** Inter-College Coding Competition, Freshers' 2018.