Shabnam **Sandhi**

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Education

Silver Oak College of Engineering and Technology

BE in Computer Engineering — *Aug 2017 – Jun 2021*

GPA: 8.95

Work Experience

SoftVan

Machine Learning Trainee — *Aug 2019 – Jun 2020*

- I enrolled myself in training for the Artificial Intelligence course by Silver Oak group of Institutes in collaboration with SoftVan company.
- Corporate Level Hands-on Training is being provided that help us to improve our employability Index. The Intermediate Level training has included Python Programming, Data Science and Data Analytics, Machine Learning Algorithms, Neural Networks, Chat bots and some projects.

csestack.org

Technical Writer — *Oct 2020 – Present*

- I am enrolled for developing product manuals, how-to guides, website help sections, journal articles, and other content that distills technical information with ease and clarity.

Skills & Expertise

Programming Languages:	C, C++, Java, Advanced Python, HTML
Applied CS:	Machine Learning, Deep Learning, Data Science, Tensorflow, Keras, Flask, Django
Core CS:	Data Structures, Algorithms, Operating Systems, Bash Scripting, OOPs, DBMS
Tools:	Google Cloud Platform, Amazon Web Services, Cognitive class labs, Microsoft Azure
Soft Skills:	Problem Solving, Critical/Creative Thinking, Interpersonal skills, Leadership, Timelimes

Projects

Water Quality Monitoring using Artificial Intelligence

This project consists of Raspberry Pi, water quality monitoring sensors(Disolved Oxygen, Temperature, PH), Cloud Firebase which will the monitor the quality of water and notify the user via an android app.

Student Portal

Using HTML, CSS3, PHP. It acts as a online portal between students and the admin. Students can login using provided used id password and edit their profile details.

Image Compression

Machine Learning project with implementation of Algorithm. This project consist of K-means algorithm which is unsupervised learning algorithm to compress the image. K-means algorithm is an unsupervised learning algorithm and used to form clusters and used here for dimensionality reduction.

Predicting Bike-Sharing Patterns

In this project, I built a neural network from scratch to carry out a prediction problem on a real dataset. By building a neural network from the ground up, I had a much better understanding of gradient descent, backpropagation, and other concepts that are important to know.

AI TutorBot

In this project, we have implemented Artificial tutors, consists of NLP and Machine Learning Algorithms. Tutors made to look and sound as much like humans as possible, could take the lead in delivering personalised education.

TV Script Generation

In this project, I generated my own Seinfeld TV scripts using RNNs. The Neural Network I built generated a new ,"fake" TV script, based on patterns it recognizes in the training data.

Dog Breed Classifier

In this project, I learnt how to build a pipeline that can be used within a web or mobile app to process real-world, user-supplied images using Computer Vision. Given an image of a dog, algorithm will identify an estimate of the canine's breed. If supplied an image of a human, the code will identify the resembling dog breed.

Achievements & Certifications

Microsoft Learn Student Ambassador,
TCS Campus Ambassador,
#IamRemarkable Facilitator,
Campus Ambassador at Scholarly Science,
Udacity Intel Scholar,
Udacity Bertelsmann Scholar,
Udacity Microsoft Scholar,
Chapter Lead at Women in Machine Learning & Data Science (WiMLDS),
Deep Learning: Face Recognition,
Building Deep Learning Applications with Keras 2.0,
AWS Fundamental Course in AWS Machine Learning Scholarship,
NumPy Data Science Essential Training,
Pandas for Data Science,
Machine Learning,
Developing IOS application STTP