

Raghav Sethi

Self Motivated and Enthusiastic Developer seeking an entry level SDE role penchant for coding, problem-solving and committed to provide high level solutions that drive business.

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EXPERIENCE

[GoBOLT](#), Gurugram— *SDE-1 Backend*

OCT 2021 - PRESENT

TMS : An Application to manage third-party logistics

- ❖ Developing new microservice as per requirement
- ❖ Adding new features to existing microservices
- ❖ Optimization of current system

Prima : An Application to solve Vehicle Routing Planning

- ❖ Developing new system as per requirement
- ❖ Scalable, Asynchronous application
- ❖ Use & construct different algorithms to minimize cost

[IoTIoT.in](#), Pune— *intern*

FEB 2021 - JUL 2021

Project: 3D Depth Vision

To do Object measurement (in x, y, and z real-world dimensions) and 3D point cloud generation to capture cartons from pallets with the help of a stereoscopic camera.

[Widhya](#), Hyderabad — *intern*

DEC 2020 - FEB 2021

Widhya Wintership 2021 Machine Learning intern, completed all for the micro-project given *COVID19 Quantitative Analysis and Modeling*, *Flight delay*, *Instagram reach*, and *Stock Price Prediction*.

[Diginique Techlabs](#), Noida — *intern*

JUNE 2019 - JULY 2019

PUBG Win Percentile Prediction: Prediction of win percentile using deep neural network. Perform Structuring of data, Dataset Cleaning, Exploratory Data Analysis, and Visualization.

EDUCATION

I.K. Gujral Punjab Technical University, Kapurthala | B.Tech

2017 - Present, Computer Science Engineering, CGPA: 7.85

Blue Bells Model Senior Secondary School, Gurgaon | Intermediate

2017, Percentage: 82.75%

Blue Bells Model Senior Secondary School, Gurgaon | Matriculation

2015, CGPA: 8.5

SKILL

Python, gRPC, PostgreSQL, GCP, Git, Docker, Kubernetes C++, Tensorflow, Pytorch, Keras, OpenCV, Matplotlib, Pandas Numpy, Tableau, Imutils, Dlib, MTCNN, Git, Scikit-learn

CERTIFICATES

[Deep Learning Specialization by deeplearning.ai](#)

[Machine Learning by Andrew Ng | Stanford University](#)

Machine Learning and AI Workshop | IIT Roorkee

LINKS

Github: [/05rs](#)

Linkedin: [/sethi-raghav](#)

Hackerrank: [/raghav1251999](#)

E-mail: work.raghavsethi@gmail.com

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PROJECT

SudokuAR

Augmented Reality Sudoku solver, finds Sudoku puzzles in the photo/video and then displays the solution in the original image/video maintaining orientation.

- Can detect multiple Sudoku puzzles, invariant to image lighting and rotation.
- Uses a custom digit recognition CNN pipeline with preprocessing and image augmentation.

Emojify!

Used word vector and LSTM, to build a reasonably good classifier with only *127 training examples*. Worked well with complex sentences.

Face-Recognition

End to end Face-Recognition implemented the FaceNet paper with Dlib for preprocessing and used a custom semi-hard online triplet generator and loss, for further fine-tuning.

- Got 97% *F1 score* & 99.5% *accuracy* after *fine-tuning* on LFW sub dataset.

Denoising Autoencoder

Implemented Denoising Autoencoder on MNIST and CIFAR10 datasets. Used *batch-normalization*, *dropout*, and *custom callbacks*. Compared the result of using *transposed convolution* from *Upsampling*.
