DAKSH GOYAL

Department of Civil Enigneering, NITK 575025

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EDUCATION

National Institute of Technology Karnataka *May 2021*
Bachelor of Technology, Civil Engineering. CGPA: 9.32 (December 2020)

Seth Anandram Jaipuria School *April 2017*
Higher Secondary Education(CBSE). Overall Percentage: 90.8

Montfort Senior Secondary School *April 2015*
Seconday Education(CBSE) . Overall CGPA: 9.8

PERSONAL STATEMENT

A proactive, passionate and exuberant undergraduate, with experience in various machine learning and deep learning models and techniques. Striving to be a valued, innovative researcher. Maths enthusiast.

WORK EXPERIENCE

Indian Institute of Technology, Roorkee April 2020 - August 2020
Dr. Sparsh Mittal, Assistant Professor, Department of ECE

Generated models for anomaly detection in time-series data employing RNN, LSTM and different regressors in PyTorch.

Pruned CNN models developed for wearable sensor data, to reduce their computing cost and time using Geometric Median and Partial Least Squares Pruning.

Indian Institute of Technology, Roorkee May 2019 - July 2019
Prof. Dharmendra Singh's Research Lab, Department of CSE

· Developed Machine Learning techniques to predict crops ready for harvesting using Remote Sensing Data.

SCIENTIFIC PUBLICATIONS

Conference Proceedings:

Daksh Goyal, K. R. Jerripothula, A. Mittal, "**Detection of Gait Abnormalities caused by Neurological Disorders**," *IEEE 22nd International Workshop on Multimedia Signal Processing (MMSP)*, Tampere, Finland, September, 2020.

PROJECTS

Punctuation Generation and Prediction
Implemented and tested a Punctuation Generation model using Bidirectional RNN in PyTorch.

Common Representation Learning using Deep CorrNet
Implemented model for predicting one half of the image, given another, using Deep CorrNet

YOLO in TensorFlow
Implemented the state-of-the-art YOLO model based in C, in python using Keras and TensorFlow.

TECHNICAL STRENGTHS

NNs & Libraries	RNN, CNN, PyTorch(proficient), Tensorflow(prior experience)
Languages & Tools	MATLAB(prior experience), Python(proficient), LaTeX, C++(prior experience), JavaScript(fluent)

ACADEMIC ACHIEVEMENTS

One of the top 5% students entitled to Merit Cum Means Scholarship at NITK.

Qualified JEE Mains 2017 with over 99 percentile.

Multiple times Student of the Year Awardee in School.

Qualified State Level of Maths and Science Olympiad in School.

EXTRA-CURRICULAR

Gold Medalist in Regional Taekwondo Championship.

Governor Awardee in Bharat Scouts and Guides.

Qualified for State Level Badminton Tournament.

Member of TaskForce NITK that closely works with college administration.

PERSONAL TRAITS

Highly motivated and eager to learn new things.

Good at adapting to new technology and environment.

Strong motivational and leadership skills.

Ability to work as an individual as well as in group.

Good time management and decision making skills.

Excellent communication skills.