

Aayush Yadav

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Gurgaon, India

Education

University of Pune, India // Bachelor of Engineering

JUN 2013 - JUL 2017, PUNE

Studied Computer Engineering at Army Institute of Technology.

Graduated with a first class with distinction.

Internships

Indian Institute of Technology, Delhi // Research Intern

AUG 2017 - PRESENT, NEW DELHI

Working under Dr. Jayadeva of Dept. of Electrical Engineering.
Studying the generalisation properties of deep neural networks.

Edelweiss Financial Services // Data Science Intern

JUN 2016 - JUL 2016, MUMBAI

Worked on a Data Science project for the Risk Analytics team at
Edelweiss-Tokio Life Insurance.

Centre for Land Warfare Studies (CLAWS) // Project Intern

JUN 2015 - JUL 2015, NEW DELHI

Built a GIS Application for CLAWS.

Projects

Camera2Caption: A Real-Time Image Caption Generator //

Undergraduate Project

NOV 2016 - MAY 2017

A deep learning model to generate natural language description for an image by extracting features using ConvNets and generating language using LSTMs.

The project has been ported on to Android and optimised for a real-time use case.

Languages/Software/Tools incorporated: Python, TensorFlow, Java for Android

A model for predicting propensity of claims in new insurance policies // Edelweiss Tokio Life Insurance

JUN 2016 - JUL 2016

Designed and developed a model to predict propensity of claims in new insurance policies for the Risk Analytics team. Model achieved an AUC of 0.89 on a dataset with extreme class imbalance.

Languages/Software/Tools incorporated: R-programming

Fine-Tuning Factors for Improving Air Quality Index //

Microsoft Data Science Student Challenge (Finals)

JAN 2016

Built a decision tree model to score the Air Quality Index of a given region based on selected features from data pulled from an open data-set and designed an algorithm to optimise the index.

Languages/Software/Tools incorporated: Microsoft Azure ML, Python

Publications

Camera2Caption: A Real-Time Image Caption Generator

IEEE International Conference on Computational Intelligence in Data Science (ICCIDS-2017)

Student Activities, Outreach & Misc.

Teach for India // Education Volunteer

JUL 2017 - SEP 2017, NEW DELHI

Teaching a self-designed Computer Literacy course to standard 8th and 9th students in Jahangirpuri area, North Delhi.

Open Source Contribution

Build and maintain an Image Captioning Library^[1] on GitHub; and Contributor to RaRe-Technologies/gensim^[2]

Part of RaRe Technologies Student Incubator Program

Blogged on extractive and abstractive text summarization techniques

Secretary of the college Quiz Club 2015-16

College Editorial Board member since 2013

Street and documentary photography

[instagram.com/living35mm](https://www.instagram.com/living35mm)

Creative writing inspired by translated Japanese fiction

Writer for *The Coffeelicious*; and published in *The Bombay Review*, (November '14 issue) and *The AWWA Journal* '17.