



KARAN DABAS

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Born 25 October 1996

WORK EXPERIENCE

May 2018 – Current

IBM Research Intern

IBM Research Labs, Delhi

- Working on De-biasing textual information on social media using text based style transfer.

May 2017 – July 2017

Research Intern

Swarath, Indraprastha Institute of Information Technology, Delhi

- Developed models which can detect traffic light, traffic signs in real time using deep learning and computer vision techniques .
- Integrating the different models with ROS to support communication between them.

May 2016 – July 2016

Web Developer

Aashansh NGO, Mumbai

- Developed a Job Portal using Django and bootstrap to help people connect with job they love.

EDUCATION

2015 – 2019

Bachelor of Technology :7.7

ECE, Indraprastha Institute of Information Technology, Delhi

2014 – 2015

Class-XII :94%

CBSE Board, Rosary Senior Secondary School, Delhi

2012 – 2013

Class-X :8.2

CBSE Board, Rosary Senior Secondary School, Delhi

PROJECTS

February 2018 – Current

Fake News detection on online social media

Adviser: Dr. Ponnurangam Kumaraguru, Dr. Rajiv Ratn Shah, Dr. Tanmoy Chakraborty

- Currently working on a project to build a state of the art method to detect fake news using textual and image features present in an article.

February 2018 – May 2018

Mining Actionable information from e-commerce reviews

Adviser: Dr. Tanmoy Chakraborty

Team Size: 3

- Developed a model to extract features and opinions from reviews that are actionable. And manufacture can use such information to improve its product.

February 2018 – May 2018

noWhinge: An app for all civic problems

Adviser: Dr. Ponnurangam Kumaraguru

Team Size: 5

- The app serves as a common public grievance platform where people can file different types of complaints using a simple, short and interactive complaint form.
- It also provides a locality analysis feature which can be used to investigate the types of problems faced by the people in that locality and the response time of various authorities.

News Coverage- Business Standard, CNBC News, Outlook India, The Asian Age

February 2018 – April 2018	Image Steganography: Hiding multiple images into one cover image Adviser: Dr. A V Subramanyam Team Size: 2 <ul style="list-style-type: none"> Developed a new strategy to hide multiple images into a single cover image. Application of such system could be to transmit classified information into a more secure manner.
September 2017 – January 2018	The Blue Whale Challenge: A Social Analysis Adviser: Dr. Ponnuram Kumaraguru Team Size: 4 <ul style="list-style-type: none"> Developed a model to predict the potential victims of the blue whale game based on the user behaviour analysis done on online social media. News Coverage- Indian Express, Theworldvibe, HomeAI, India Today
August 2017 – November 2017	Infrared image Colorization using Generative Adversarial Networks Adviser: Dr. Saket Anand, Dr. Anubha Gupta Team Size: 4 <ul style="list-style-type: none"> Building a model to colorize the NIR image to RGB using Deep Convolutional Generative Adversarial Networks.
September 2017 – November 2017	Automatic Estimation and Removal of Color Noise from an image Adviser: Dr. A V Subramanyam Team Size: 2 <ul style="list-style-type: none"> Building a noise estimation function for an image which is dependent on image brightness and a denoising algorithm which can remove such noise without creating any artifacts in an image.
September 2016 – November 2016	DBLP Search Engine Adviser: Dr. Chetan Arora Team Size: 2 <ul style="list-style-type: none"> Developed an in-house search engine with functionality like identity resolution and predictor for computer science bibliography. (Click for Source)
September 2016 – November 2016	Sound Source Localization Adviser: Dr. Anubha Gupta Team Size: 3 <ul style="list-style-type: none"> Build a system to map the location of a sound source to a camera using the measure of sound source. (Click for Source)
April 2016 – May 2016	Smart Security System Adviser: Dr. Alexander Fell Team Size: 4 <ul style="list-style-type: none"> Build a smart security system which can be controlled from anywhere in the world through a phone, using raspberry pi and gsm module at hardware side and python at the software side. (Click for Source)

SKILLS

Languages	Hindi – Native or bilingual proficiency English – Professional working proficiency Spanish – Elementary proficiency
Programming Language	Python, C/C++, Java, Verilog (Hardware Description Language), AVR C, Matlab
Tools and Technologies	Spice, Xilinx ISE, Eagle (PCB Design and Schematic Software), TinkerCAD (3D Modeling Software), Google Analytics, Label Image, Django, ROS(Robot Operating System), TensorFlow, Gephi, MongoDB, Mysql, LIWC.

ADDITIONAL INFORMATION

Interests Working on the solution for challenging problems through the use of machine learning, natural language processing and computer vision.

Hobbies and Co-curricular Likes doing numismatics, playing badminton.

Activites Represented my college for the Athletic events in the intra college sports fest(Spardha IIT-BHU, 2017).

Declaration: The above information is correct to the best of my knowledge.

KARAN DABAS

Date: July 23, 2018