

Rajesh Shreedhar Bhat

DATA SCIENTIST · KAGGLE COMPETITIONS EXPERT - WORLD RANK 966/102298 · CLASSROOM MENTOR @UDACITY

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Work Experience

Walmart Labs

Bangalore

DATA SCIENTIST

Aug. 2018 - PRESENT

- Text extraction from product images using CRNN Network with CTC loss trained on synthetically generated image data using Wal-mart product descriptions.
- Sentiment Analysis & Topic modelling on review text using CNN, Bi-LSTM networks and Transfer Learning techniques.

STATISTICAL ANALYST

Aug. 2016 - July. 2018

- Attribute extraction from product descriptions & titles to fill the missing attributes in product catalog using a sequence to sequence models with word and character embeddings.
- Wal-bot: a framework for building conversational chatbots.

DATA SCIENCE INTERN

Jan. 2016 - June. 2016

- Worked on Face recognition POC using Siamese Neural Network.
- Visualizing analytics-driven solutions using technologies like D3.js, NVD3 and Angular JS.

IIT Ropar

Punjab

RESEARCH FELLOW

Jun. 2014 - Jul. 2016

- Crowd-sourced Annotation Tool was built from scratch which facilitates a group of users to annotate a given document while trying to understand it. Several experiments were conducted and the data collected from the experiments were analyzed and the results were published in ASONAM conference.

Stride.ai

Bangalore

PART-TIME INTERN

Mar. 2015 - Apr. 2015

- Worked on Spell Correction algorithm using NLP techniques.

Education

Arizona State University

Online

MS IN COMPUTER SCIENCE WITH ML SPECIALIZATION

2019 - 2021

PES Institute of Technology

Bangalore

B.E IN INFORMATION SCIENCE AND ENGINEERING

Aug. 2012 - May. 2016

- GOLD medalist - ISE Branch with CGPA 9.44/10

Publications

- 2018 **Upcycle Your OCR: Reusing OCRs for Post-OCR Text Correction in Romanised Sanskrit**, published in 22nd Conference on Computational Natural Language Learning (CoNLL), co-located with EMNLP Belgium
- 2015 **Presence of an Ecosystem: a Catalyst in the Knowledge Building Process in Crowdsourced Annotation Environments**, published in IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM) Paris

Patents

- 2018 **End to End Attribute Extraction from Product Images**, 4909US01
- 2018 **In-store targeted advertisement system**, 4210US01
- 2018 **Assessing quality of product images using computer vision**, 5118US01

Skills

TOOLS & TECHNOLOGIES

- Python, Keras, PyTorch, Tensorflow, OpenCV, Gensim, NLTK, Spacy, R programming, , Git

RELEVANT COURSEWORK

- Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Visualization

Honors & Awards

2019	Best Poster Award , for Extracting text from product images	<i>Walmart Labs</i>
2019	Bronze Medal , Humpback Whale Identification Challenge	<i>Kaggle</i>
2019	Silver Medal , Quora Insincere Questions Classification challenge	<i>Kaggle</i>
2018	Spot Award , recognition for exceptional performance, dedication & positive attitude on the job	<i>Walmart Labs</i>
2018	Bronze Medal , Quick, Draw! Google Doodle Recognition challenge	<i>Kaggle</i>
2018	Top 1% , WNS Analytics Wizard challenge	<i>Analytics Vidhya</i>
2018	Runner Up , Walmart Global Hack Day	<i>Walmart Labs</i>
2018	Silver Medal , Toxic Comment classification challenge	<i>Kaggle</i>
2018	Silver Medal , IEEE's Signal Processing Society - Camera Model Identification	<i>Kaggle</i>
2017	Winner , Synehack 201.7	<i>Synechro</i>
2017	Spot Award , recognition for exceptional performance, dedication & positive attitude on the job	<i>Walmart Labs</i>
2017	Winner , GE Health-Hack - Video analytics theme	<i>GE Healthcare</i>
2015	Summer Research Fellowship , offered by IAS, IISc, INSA through Summer Research Fellowship Program	<i>IIT Ropar</i>

External Talks and workshops conducted

2019	Speaker, Image Captioning with attention models , Data Hack Summit 2019	<i>Bangalore</i>
2019	Speaker, Text Extraction from Product Images , Kaggle Days Meetup(Senior Track)	<i>Bangalore</i>
2019	Panelist, Kaggle Journey and Approaching Kaggle competitions , Kaggle Days Meetup(Senior Track)	<i>Bangalore</i>
2019	Conducted Deep Learning workshop , part of faculty development program at IIIT Kancheepuram	<i>Chennai</i>
2019	Chief Guest at "Tech Vyuha2.0" , technical fest organised by ISE Department, Global Academy Of Technology	<i>Bangalore</i>
2018	Conducted Deep Learning workshop , @GE HealthCare	<i>Bangalore</i>