Prashant Kikani

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EXPERIENCE

Data Science Engineer at Embibe. Bangalore, India   *Aug 2019 - present*

- Started Neural Machine Translation(NMT) team to reduce the total cost of language translation without compromising quality. Built & deployed deep learning(NLP) models for translation from English to all major Indian languages from scratch. This work reduced total manual effort by >83% per sentence.

- Contributing in research work with the goal of "Infusing Knowledge Graphs in NLP models" like BERT, T5 & Transformers. `arxiv`

- Developed core pipeline for "Insta-Solver". Given a text question, predict solver(s) via which it can be solved.

Data Science Intern at Reliance Jio, AI CoE. Hyderabad, India   *Jan 2019 - Mar 2019*

- Developed code pipeline for predicting nearby Points of Interest(PoI) using 24x7 traffic data patterns of a cell tower.

- Developed code pipeline to predict future possible faults/errors in cell towers using the signals emitted by the tower till now. All computations were done in the distributed way using PySpark & map-reduce. `proof`

Machine Learning Intern at CamCom. Bangalore, India   *May 2018 - Jun 2018*

- Developed two live company projects namely Car part detection & OCR on price tags; using deep learning & image processing. Also deployed them on Raspberry Pi & worked with motion sensors & Pi camera. `proof`

EDUCATION

Dharmsinh Desai University, Nadiad, Gujarat, India   *Aug 2015 - May 2019*
B.Tech in Computer Science Engineering   *Overall GPA: 8.34/10*

Alpha High School, Junagadh, Gujarat, India   *Jun 2012 - Apr 2015*
Higher Secondary Education   *HSC (Std-12) : 93.33%, 99.40 PR*
Secondary Education   *SSC (Std-10) : 93.67%, 99.93 PR*

PUBLICATIONS

1. Keyur Faldu*, Amit Sheth, **Prashant Kikani***, Hemang Akbari. "KI-BERT: Infusing Knowledge Context for Better Language and Domain Understanding" - A novel model which combines knowledge graphs and BERT like self-attention based NLP models. `arxiv`

                                                                                      * Equal Contribution

MACHINE LEARNING ACHIEVEMENTS

"Master" in Kaggle Competitions	Rank in top 0.1% among 168k+ active users worldwide. `link`
"Master" in Kaggle Kernels	Rank in top 1% among 187k+ active users worldwide. `link`
Kaggle NCAA Men's 2021 Contest	Finished at 9th rank(solo gold) among 707 teams worldwide. `link`
Kaggle PUBG result Contest	Finished at 13th rank among 1.5k+ teams worldwide. `link`
Kaggle Household Poverty Contest	Finished at 18th rank among 619 teams worldwide. `link`

SKILLS

Languages	Python, C/C++, Java SE, Bash, HTML/CSS/JS
Web Technologies	Flask, Gunicorn, Django, MongoDB
Libraries	PyTorch, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, SciPy, Matplotlib