

Prashant Kikani

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EXPERIENCE

Associate Principal Data Scientist 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 $\approx 83\%$ per sentence.
- Contributed to a research project with the goal of “Infusing Knowledge Graphs in NLP models” like BERT, T5 & Transformers. [arxiv](#)
- Leading a team of 6 full-time employees focused on various ML and data science projects. One of them is improving NQE(Next Question Engine) algorithm which creates personalised practice sessions for students across K-12, JEE/NEET and other exams. As a result, timespent per user increased by $\approx 15\%$.

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

- 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

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