Prashant Kikani

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EXPERIENCE

Software Engineer at Instabase. Bangalore, India　　　　　　　　　　　　　　*Aug 2022 - present*

- Working on image fraud detection problem. Goal is to detect image forgery in IDs(like passports, driving licence, etc.), bank statements for KYC(know your customer) and other purposes.

Lead Data Scientist at Embibe. Bangalore, India　　　　　　　　　　　　　　*Aug 2019 - Jul 2022*

- 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`

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`

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