

Prashant Kikani

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EXPERIENCE

Machine Learning Engineer at Instabase. Bangalore, India

Aug 2022 - present

- Working on using large language models (LLMs), such as GPT-4, for understanding and performing question answering on documents like CSVs, PDFs, images, excel files, etc.
- Worked on an image fraud detection problem. The goal is to detect image forgery in IDs (such as passports, driver's licenses, etc.), bank documents for KYC (Know Your Customer), and other purposes.

Lead Data Scientist at Embibe. Bangalore, India

Aug 2019 - Jul 2022

- Started a Neural Machine Translation (NMT) team to reduce the total cost of language translation without compromising quality. I built and deployed deep learning (NLP) models for translation from English to all major Indian languages from scratch. This work reduced the total manual effort by approximately 83% per sentence.
- Contributed to a research project with the goal of "Infusing Knowledge Graphs into NLP models" such as BERT, T5, and Transformers. [arxiv](#)
- Leading a team of 6 full-time employees focused on various machine learning and data science projects. One of these projects involves improving the NQE (next question engine) algorithm, which creates personalized practice sessions for students across K-12, JEE/NEET, and other exams. As a result, the time spent per user has increased by around 15%.

Data Science Intern at Reliance Jio, AI CoE. Hyderabad, India

Jan 2019 - Mar 2019

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