Parth Kothari

ML Engineer working on LLM agents at Google

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parth-kothari

Experience

Title **Google, Machine Learning Engineer** [Oct'22-Present]
LLM Agents

Description Building infrastructure to support the integration of LLM Agents into Google products. I actively contribute to several core initiatives, including the Agent Development Kit (ADK), the OneTwo library, and the GenAI processor library. I consult with internal teams to guide them in effectively incorporating LLM agents into their workflows.

Title **L5 Research, Woven Planet (Previously, Lyft)** [2021]
DriverGym: Democratising RL for Autonomous Driving

Description DriverGym is an open-source OpenAI Gym-compatible environment specifically tailored for developing RL algorithms for autonomous driving. It provides access to more than 1000 hours of expert logged data and also supports reactive and data-driven agent behavior. Further, we provide an extensive and flexible closed-loop evaluation protocol.

Education

2018–2022 **Ph.D in Electrical Engineering**, ***EPFL***.
Advised by Prof. Alexandre Alahi
Affiliated with the Visual Intelligence For Transportation (VITA) Labratory
Conducted research in Human Motion Forecasting, building Socially-Aware Models

2014–2018 **Bachelors in Electrical Engineering**, ***IIT Bombay***, *9.74/10*.
With Minor in Computer Science and Honors in Electrical Engineering.
Recipient of **Institute Academic Prize** for securing **First Rank** out of 66 students of the Electrical Engineering Department in the second academic year 2015-16.
Department Rank 2 in a batch of 66 students
Institute Rank 7 in a batch of 880 students

Technical Strengths

Languages Python, C++, Java
Softwares Pytorch, Tensorflow / Keras

Publications

- TF-GNN: Graph neural networks in tensorflow, **2023**
- Modular Low-Rank Adaptation for Deep Motion Forecasting, **CoRL 2022**
- Safety-compliant GANs for Human Trajectory Forecasting, **IEEE ITS 2022**
- DriverGym: Democratising RL for Autonomous Driving, **ML4AD Workshop, NeurIPS 2021**
- TTT++: Improved Test-Time Training, **NeurIPS 2021**
- Interpretable Social Anchors for Human Trajectory Forecasting in Crowds, **CVPR 2021**
- Human Trajectory Forecasting in Crowds: A Deep Learning Perspective, **IEEE ITS 2020**
- Collaborative Sampling in Generative Adversarial Networks, **AAAI 2020**