PRIYANKA **GOMATAM**

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EXPERIENCE

NOV 2021 – PRESENT
SOFTWARE ENGINEER, META (FACEBOOK) – INSTAGRAM AVATARS

Building large scale, highly distributed, low latency backend pipelines for Instagram Avatars. Cross Functional collaboration with Avatars Core, Reality Labs, Instagram Media and Reels teams.
Skills: Python, Hack, Facebook High-Scale Infra

NOV 2018 – 2021
SOFTWARE ENGINEER, MICROSOFT – AZURE BIG DATA

Founding member of a server-less Apache Spark service in Azure Synapse Analytics. Added Azure Datawarehouse as a custom data source to Spark using Data Source V2 APIs, built an Automatic Query Result cache in collaboration with the Research team to improve Spark SQL workload performance and presented the work in The Databricks Spark + AI Summit, and built a distributed caching service for Spark. Focused on Reliability Best Practices: Monitoring and Alerting, Health Metrics, Incident Postmortem, Live debugging of Service-related Incidents
Skills: Apache Spark, Hadoop and friends, Scala/Java, Python

AUG 2017 – 2018
SOFTWARE ENGINEER, VISA – VISA AI/ML PLATFORM

Founding member of the Visa AI/ML Platform team, specifically focusing on ingesting and monitoring batch data science models. *Skills: Java, SpringBoot*

EDUCATION

MAY 2017
MASTER OF SCIENCE, COMPUTER SCIENCE AND ENGINEERING, PENN STATE UP

Operating Systems, Pattern Recognition and Machine Learning, Computer Vision, Programming Language Concepts, Computer Architecture, Accelerated Computing

MAY 2015
BACHELOR OF SCIENCE, COMPUTER SCIENCE AND ENGINEERING, ANNA UNIVERSITY

PUBLICATIONS

- Wei-Yu Tsai, Jinhang Choi, Tulika Parija, Priyanka Gomatam, Chita Das, John Sampson, and Vijaykrishnan Narayanan. 2017. Co-training of Feature Extraction and Classification using Partitioned Convolutional Neural Networks. In Proceedings of the 54th Annual Design Automation Conference 2017 (DAC '17). Association for Computing Machinery, New York, NY, USA, Article 58, 1–6. DOI:https://doi.org/10.1145/3061639.3062218
- Abhishek Roy, Alekh Jindal, Priyanka Gomatam, Xiating Ouyang, Ashit Gosalia, Nishkam Ravi, Swinky Mann, and Prakhar Jain. 2021. SparkCruise: workload optimization in managed spark clusters at Microsoft. Proc. VLDB Endow. 14, 12 (July 2021), 3122–3134. DOI:https://doi.org/10.14778/3476311.3476388