

Savan Doshi

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Education

North Carolina State University

B.S. in Computer Science
Math and Statistics Minors

GPA: 3.83

Graduation: May 2022

Awards: Computer Science Honors, HackNC 2020 Winner, Carolina Data Challenge 2021 Winner

Skills

Languages: Java, Python, C++

Frameworks: Tensorflow, PyTorch, Spark, Glue, Kinesis, Lambda, Pandas

Experience

Meta Machine Learning Engineer, New York, NY

Jan 2025 - Current

- On the Meta Ad Ranking Team I work on creating realtime and batch features to increase ad revenue
- This involves using a variety of techniques such as hierarchical clustering, markov chains, transformers, and deep neural networks
 - Used: PyTorch, SQL, Python, Hive

Google Machine Learning Engineer, Mountain View, CA

July 2022 - Dec 2024

- On The Google Image Ranking Team I worked on creating and tuning machine learning models to increase high quality search results
- This included finding signals, implementing the infrastructure to obtain the signal within the search stack, and using models to properly train the signal. I used live experimentation on search traffic to see the signals' impact and find creative solutions for improvement.
- After productionization I also focused on optimization to reduce the amount of TPUs needed, one of these efforts saved 800 Tensor Processing Units, saving 3 SWE years.
 - Used: C++, Python, Regression trees, Deep Neural Networks, Two Tower Embedding Models
 - Awarded an O Rating, given to the top 20% of employees

Amazon Software Engineer Intern, Palo Alto, CA

May 2021 - August 2021

- On the Amazon Search (A9) Machine Learning Infrastructure team I implemented a system that automatically took incoming product data partitions and indexed them at a rapid pace for search engine use.
- This allowed priority products to not have to go through bulk ingestion which takes 36 hours and become indexed within 30 minutes.
 - Used: AWS Glue, Kinesis, Lambda, Apache Spark, Python, TypeScript