

Work Experience

- **Netflix, Inc** San Francisco, CA
Staff Software Engineer 2021 - Present
 - Leading technical architecture for Netflix’s core Model Inference Platform, managing 500K+ requests/sec for *all* user-facing ML models in personalization, growth, and commerce.
 - Built foundational components by collaborating with ML practitioners and addressing diverse use cases across live and precompute flow. Mentored and onboarded 10+ engineers on the team.
- **Amazon** Seattle, WA
Senior Software Development Engineer 2017 - 2021
 - Contributed to Amazon retail strategy in large-scale automation and ML across Imaging Tech, Search Science, and Homepage recommendations.
 - Led a team of 6+ Software Engineers to launch a new personalized product recommendations service, increasing annual revenue by \$MM+ increase in and serving millions of customers at Scale.
 - Started a side project and grew a team of 15+ volunteers to successfully launch Amazon Gather - an internal platform for community and event management, gaining 500K+ users in 2 years. Received the 'Just Do It' award from Jeff Bezos during company all-hands for Bias for Action and Innovation. Gather has become integral to the employee experience with 100K+ active monthly users.
 - Collaborated with Scientists to train and deploy a novel Deep Learning language identification model for search queries, scaling to 10K+ real-time inferences/sec.
- **Morgan Stanley** Mumbai, India
Software Analyst 2014 - 2015
 - Developed a reporting dashboard and underlying Scala/Java service to increase operational efficiency.
 - Built a multi-threaded SOAP service for database access, showcased at the Global Town Hall for its broad impact.
- **Goldman Sachs** Bangalore, India
Software Analyst Intern 2013
 - Optimized a market risk analysis tool with caching and parallel computing, significantly reducing execution time.

Education

- **Master of Science, Computer Science** 2015 - 2016
North Carolina State University, Raleigh, NC
 - Data Science / Machine Learning specialization. View talks and projects
 - Graduate Research Assistant in Center for Educational Informatics, advised by Dr. Min Chi.
- **Bachelor of Technology, Computer Science** 2010 - 2014
Visvesvaraya National Institute of Technology, India
 - Technical Secretary- Member of VNIT Students’ Council
 - Vice-Chairperson- ACM Student Chapter of VNIT. Led software initiatives and mentored students.

Programming Skills

Proficient: C++, C, Java, JavaScript, HTML, SQL, AWS full-stack development

Familiar: Web development, Kotlin, Shell Scripting, Python, Spark, ReactJS

Publications

- “Deep Learning + Student Modeling + Clustering: a Recipe for Effective Automatic Short Answer Grading”, *The 9th International Conference on Educational Data Mining (EDM2016)*.
- “Towards Automatic Linkage of Analyst’s Claims with Associated Evidence from Screenshots”, *IEEE BigDataService 2017*.