



Work Experience

- **Netflix, Inc** San Francisco, CA
Senior Software Engineer 2021 - Present
 - Leading Netflix's Model Inference Platform, handling over 500k requests/sec for user-facing ML models in personalization, growth, and commerce.
 - Early team member; collaborated with ML practitioners to build large-scale, time-sensitive inference systems and influenced partner team roadmaps.
- **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. Gained 500k+ users in 2 years and received 'Just Do It' award from Jeff Bezos during company all-hands for my Bias for Action and Innovation. Gather has now become an integral part of 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 10,000+ requests/sec.
- **Morgan Stanley** Mumbai, India
Software Analyst 2014 - 2015
 - Developed a reporting dashboard and underlying Scala/Java service.
 - 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**
North Carolina State University, Raleigh, NC 2015 - 2016
 - Data Science specialization.
 - Graduate Research Assistant in Center for Educational Informatics, advised by Dr. Min Chi.
- **Bachelor of Technology, Computer Science**
Visvesvaraya National Institute of Technology, India 2010 - 2014
 - Technical Secretary- Member of VNIT Students' Council
 - Vice-Chairperson- ACM Student Chapter of VNIT

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*.