Rajat Shah

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San Diego, CA

http://shahrajat.com/

Education

- **Master of Science, Computer Science**
  North Carolina State University, Raleigh, NC   *2015 - 2016*
  - Data Science specialization.

- **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

Work Experience

- **Amazon Corporate LLC**   San Diego, CA
  Senior Software Development Engineer   *2017 - Present (4.5+ yrs)*
  - Led a team of Software Engineers to launch a new personalized product recommendations service for Amazon Homepage using a novel approach resulting in $20MM+ increase in annual revenue 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. Became essential platform during COVID-19 WFH times.
  - Collaborated with Scientists to train and deploy a novel Deep Learning based Language identification model for search queries on amazon.com and scaled it for 10,000+ requests/sec.
  - Built full-stack software to handle and automate workflow of product images displayed on retail website.

- **Amazon.com LLC**   Seattle, WA
  Software Development Engineer Intern   *May - July 2016*
  - Implemented a novel approach for image clustering as a part of Imaging Research team.
  - Integrated the module in Image Quality Assurance tool to significantly enhance manual workflow.

- **Morgan Stanley**   Mumbai, India
  Software Analyst   *2014 - 2015 (1 yr)*
  - Contributed in development of a reporting dashboard along with underlying Scala/Java service.
  - Built a SOAP service for multi-threaded database access in a team of three, which was featured and showcased in the Global Town hall for its broad impact.

- **Goldman Sachs**   Bangalore, India
  Software Analyst Intern   *May - June 2013*
  - Optimized a market risk analysis tool by implementing caching layer and parallel computing to significantly reduce the execution time.

Programming Skills

Proficient: C++, C, Java, JavaScript, HTML, SQL, AWS full-stack development
Familiar: Web development, Kotlin, Shell Scripting, Python, PySpark, 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.*