

Mitesh Kumar Singh

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Education

MASTER OF SCIENCE | STATE UNIVERSITY OF NEW YORK AT STONY BROOK, USA | AUG'18 - DEC'19

Major in Computer Science focused on Machine Learning and Distributed Systems (CGPA: 3.67/4)

Courses - Machine Learning, Data Science Fundamentals, Probability and Statistics for Data Scientists

BACHELOR OF ENGINEERING | BIRLA INSTITUTE OF TECHNOLOGY, RANCHI, INDIA | JULY'11 - MAY'15

Major in Computer Science focused on Algorithms, Data Structures, Compiler and Operating System (CGPA: 8.56/10)

Technical Proficiencies

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|---|--|
| → <i>Programming Languages</i> | Java, C, Python(basic), PHP, Bash, Javascript and HTML |
| → <i>Storage, Search and Pipelines</i> | DB2, Oracle, Elasticsearch, Kafka (basic) |
| → <i>Software Development Experiences</i> | Domain Driven Design, TDD, Agile Development |
| → <i>Frameworks and Libraries</i> | Dropwizard, Jersey, Junit, Maven, Reladomo, Angularjs |

Experience

ASSOCIATE | GOLDMAN SACHS, BENGALURU, INDIA | DEC'17 - JULY'18

- Full stack development in Java and Javascript, mentored 3 new hires and conducted 10+ technical trainings

ANALYST | GOLDMAN SACHS, BENGALURU, INDIA | JUN'15 - NOV'17

- Brainstormed & developed Goldman's Project Management and Technology Business Management (TBM) platform, used by senior leaders to analyze Goldman's yearly expense on technology

SOFTWARE DEVELOPER INTERN | MICROSOFT, HYDERABAD, INDIA | MAY'14 - JUN'14

- Developed a user interface and sync engine, which automatically synced music content between windows mobile and desktop music app, for an existing Windows Desktop Music App using WinJS, WRL C++ and HTML

Personal Projects

ACTIVITY RECOGNITION IN BIG BANG THEORY SCENES | SEP'18 - DEC'18

- Developed **multiple classifiers for hand, upper-body, scene and activity detection** in Big Bang Theory Video dataset using own implementation of Logistic Regression, SGD, Hard negative Mining SVM, K means clustering and existing CNN and RNN implementations (own architectures) in PyTorch.
- Used Matlab, Python, LibSVM, PyTorch

SPOJ TOOLKIT (www.spojtoolkit.com) | DEC'13 - APR'14

- Developed a popular web tool for SPOJ (Sphere Online Judge) users to get correct output for a set of input, decided upon by the user, on a SPOJ Problem. **100 unique page views** every day.

Professional Projects

MANAGE PROJECTS YOUR WAY! | JUL'17 - JUL'18

- Designed the **app's entitlement, state machine** (50+ transitions) & rule validation engine from scratch
- Published project messages on Kafka and implemented actionable BPMN workflows

REPORT SCHEDULING AND EXECUTION FRAMEWORK | DEC'16 - MAR'17

- Designed **data models** and developed **RESTful** asynchronous web services using Jersey
- Implemented report execution (over DB2 engines), storage (ATMOS Object Storage) & transfer (ftp) in Java

WHAT'S YOUR ROI? | DEC'15 - DEC'16

- Instrumental in developing **microservices** for users to create, manage & analyze the cost and recovery of technology products like infrastructure, applications, projects, platforms and employees
- Built **UI visualizations** like heatmaps, graphs, **angular tree component** and highly-performant data grids
- Configured **Elasticsearch** clusters and **indices** with product data and wrote batch jobs to populate them