

SAURABH VERMA

Munich, Germany

me@saurabh-verma.com

AREAS OF INTEREST

Distributed systems, Artificial Intelligence, Machine Learning & Finance.

EXPERIENCE

Senior Software Engineer, Identity Platform | Google

Dec 2018 - Present

- Designed and led Google-wide migrations for accounts storage APIs (1000+ clients, 50M+ QPS).
- Developed and launched hard-isolation between customers for batch processing infrastructure.

Software Engineer, Revenue Platform | Uber Technologies, Inc.

June 2017 - September 2018

- Optimised the storage footprint by 40% to save 150K USD per year in cassandra storage costs.
- Batched bottleneck network calls by 8x to reduce processing latency.
- Added support for execution in multiple data-centres and data-centre failover.

Tutor | Chegg

April 2017 - June, 2017

Tutored 100+ lessons in various domains in Computer Science and programming assignments.

Research Intern | Adobe Systems

May 9 - July 22, 2016

Built a machine learning model to enhance the image tags in Python. The output tags were more informative, relevant to the image and diversified in comparison to state-of-the-art image tagging engines.

Summer Intern | Morgan Stanley

May 11 - July 9, 2015

Built a platform to effectively manage the metadata, validate and trigger actions in Java using frameworks such as Spring, Quartz and Apache CXF.

ACADEMIC BACKGROUND

| Qualification | Year | Institution | Grade |
|--|---------|---|-------|
| Bachelor of Technology (B.Tech.) Computer Science & Engineering | 2013-17 | Indian Institute of Technology (IIT), Roorkee | 8.982 |

Certifications: [Machine Learning](#), Executive Education in Strategy and Leadership (Harvard Business School)

SKILLS

- Programming Languages :** Java, C++, Golang and Python.
- Software Architectures & Paradigms:** Microservices, REST API design, A/B experiments, databases, batch processing, caching, publish-subscribe, object-oriented programming, agile methodology, integration testing.

PUBLICATIONS

Usage Based Tag Enhancement of Images | [Pacific-Asia Conference on Knowledge Discovery and Data Mining '17](#)

Proposed a natural language processing [algorithm](#) that analyses the usage of an image from its accompanying textual content, extracts image-relevant tags in the accompanying text and enhances the tags of the image.