

Arpit Jain

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Tech Blog: www.medium.com/calvin-codes/

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EDUCATION

University of Wisconsin-Madison

Master of Science in Computer Sciences, December 2019 (Expected)

- *CGPI*: 3.929/4
- *Selected Courses*: Big Data Systems, Operating Systems, Software Security, Machine Learning, Computer Vision

Indian Institute of Technology (IIT) Guwahati, India

Bachelor of Technology in Electronics And Communication Engineering, May 2015

- *CGPI*: 8.09/10
- *Selected Courses*: Communication Networks, Parallel Computing, Image Processing, Speech Technology, Biometrics

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Scala, Python, J2EE, Bash/Shell, PHP

Tools & Frameworks: AWS, REST, Spring, Hibernate, Play, RabbitMQ, Maven, JUnit, *Familiar with* Kafka

Servers & Databases: Tomcat, MySQL, Cassandra, *Familiar with* Elasticsearch, *Familiar with* Redis

WORK EXPERIENCE

Sumo Logic

Redwood City, USA

Backend Software Engineering Intern

May 2019 - Aug 2019

- Built JWT based single sign-on, saving 15 sec per account switching. *Blog post* of high level design.
- Used AWS Secrets Manager and found a UX bug in the same. Detailed analysis available in my *blog post*.

University of Wisconsin-Madison

Madison, USA

Grader - Machine Learning (Fall 19), Artificial Intelligence (Spring 19)

Peer Mentor - Introduction to Operating Systems (Spring 19)

- Guided students in xv6 Kernel programming assignments, reviewed their codes, and helped resolve bugs.
- Graded theory & programming assignments based on NLP, Clustering, Classification, Neural Networks, etc.

Myntra Designs Pvt. Ltd. (Walmart Group)

Bengaluru, India

Senior Software Engineer (Order Management System)

July 2015 - July 2018

- Decoupled web-services using RabbitMQ; achieving scalability of handling $\sim 150,000$ requests/min in Java web-service & processing $\sim 1,000,000$ (1M) messages/min using RabbitMQ. Detailed analysis on *tech blog*.
- Designed invoice generation module for customer orders, using Java and the open source software - Apache Velocity. Also identified a bug in Velocity and published its workaround on my *tech blog*.

Hanyang University (ERICA)

Ansan, S. Korea

Summer Research Assistant

May 2014 - July 2014

- Developed a Korean script keyboard for android, providing auto-completion suggestions from 30,000 words.

PERSONAL PROJECTS

Sign Language to Text Converter from live video (*Project Website*)

- Detects and identifies ASL symbol from a live video feed, using a convolutional neural network.

Present Sir - Android App (*Independent Project*) (*Concept Video*)

- 1000+ downloads. Allows students to create customized class schedule & enable attendance tracking.

Spoken term detection from continuous speech (*Publication Link*)

- Responds to inquiries related to the market price of various vegetables in the regional Assamese language.

AWARDS & EXTRA-CURRICULAR

- ***Best Paper Award*** during 2014 Fifth International Symposium on Electronic System Design.
- Participated in Hackathon at Myntra and developed a PoC validating scalability in Play Framework.