

Aakash Gupta	
Personal Info	
Phone +91 9210985811	
E-mail aakash.gupta96@outlook.com	
LinkedIn www.linkedin.com/in/aakashgupta96	
GitHub https://github.com/aakashgupta96	
Domain Skills	
Data Structures	
Analysis and Design of Algorithms	
Object Oriented Programming	
Big Data Processing	
Database Management	
UNIX Based Operating Systems	
Programming Languages	
C/C++	Java
Ruby	JavaScript
Python	Scala
Front End Technologies	
ReactJS / Redux	HTML/CSS
Canvas	KineticJS
Back End Technologies	
Spring Boot	Ruby on Rails
Spark	Kafka
Machine Learning	
Keras with TensorFlow Back-End	
ScikitLearn Library	
Supervised Learning Algorithms	
Clustering Algorithms	

Education			
Year	Degree/Exam	Institute	CGPA / Marks (%)
2014-2018	B.E. Computer Engineering	NSIT, University of Delhi	75.65%
2014	Class XII (CBSE)	RPVV, New Delhi	95.2%
2012	Class X (CBSE)	RPVV, New Delhi	10 CGPA
Work Experience			
Software Development Engineer at Walmart Labs			August 2018 - Present
▶ <b>Tech Lead of Mainframe to Cloud Project for Japan market</b>			March 2020 - Aug 2020
<ul style="list-style-type: none"> <li>Delivered MDM proxy services which gives info of Items and Suppliers of Walmart.</li> <li>Delivered 2-way data pipeline to keep data in sync of DB2 and Mongo DB for receivings domain.</li> <li>Delivered location service which gives information of all the Walmart stores.</li> <li>Team consisted of 5 developers.</li> <li><b>Technology Used:</b> Java8, Spring Boot, Azure Event Hub (Kafka), Cosmos DB (Mongo API)</li> </ul>			
▶ <b>Developer in Finance Big Data Platform</b>			March 2020 - Present
<ul style="list-style-type: none"> <li>Contributed in designing and building finance data platform from scratch.</li> <li>Developed a generic framework over Spark for writing data processing jobs.</li> <li>Integrated framework with centralized logging and key-vault.</li> <li><b>Technologies Used:</b> Scala, Spark, Delta Lake, Azure Databricks.</li> </ul>			
▶ <b>Developer in US/CA Market Finance Data Services Project</b>			May 2019 – March 2020
<ul style="list-style-type: none"> <li>ETL pipeline to migrate bulk data (3 Billion Records) from SQL DB2 DB to NoSQL Mongo DB.</li> <li>NRT pipeline to sync data in live data sources i.e. DB2 and MongoDB.</li> <li>Item price service to provide data of previous and current item price at store level.</li> <li>Setup of GSLBs for HA and Disaster Recovery of backend services.</li> <li><b>Technologies Used:</b> Java8, Spring Boot, Spring Batch, Spring Cloud Stream, Redis, MySQL, RabbitMQ, Kafka Connect, Kafka.</li> </ul>			
▶ <b>Full Stack Developer in APIE Project</b>			August 2018 – May 2019
<ul style="list-style-type: none"> <li>Developed paginated dashboard UI for searching and filtering data.</li> <li>Developed backend search and filter APIs for user dashboard.</li> <li><b>Technologies Used:</b> Java8, Spring Boot, ReactJS, Redux for state management.</li> </ul>			
▶ <b>DevOps</b>			
<ul style="list-style-type: none"> <li>E2E CI/CD pipeline, platform designing and setup for deployment of micro-services.</li> <li>Proposed optimal resource grouping for Azure Cloud and hence reduced operational cost.</li> <li><b>Technologies Used:</b> Docker, Azure DevOps, OneOps, Looper (Jenkins), Concord (Orchestration Tool)</li> </ul>			
Lead Developer and Owner at Shuriken Live			December 2016 – March 2018
▶ <b>Features</b>			
<ul style="list-style-type: none"> <li>Responsive Web-App for streaming live videos to social networking platforms like FB Live, YouTube Live, Periscope etc.</li> <li>Flexibility to do live polls on Facebook on page, user profile or groups.</li> <li>Easy share feature to multiple groups and pages for increasing/promoting content and gain viewership.</li> <li>Live at: <a href="https://www.streamidea.com">https://www.streamidea.com</a></li> </ul>			
▶ <b>Front End Technologies:</b> HTML/CSS, JavaScript, KineticJS/Canvas, Material Design.			
▶ <b>Back End Technologies</b>			
<ul style="list-style-type: none"> <li>Integrated with Facebook APIs to start/stop/post live videos on users’ behalf.</li> <li>Ruby on Rails as back end tech stack, FFMPEG for video streaming.</li> <li>Asynchronous Job Processing using Redis and Resque Gem.</li> <li>Selenium headless browser with ChromeDriver, XvFB and ALSA for video/audio capture.</li> <li>PostgreSQL, integrated payments with PAYPAL and Instamojo.</li> </ul>			
▶ <b>Deployment and Impact</b>			
<ul style="list-style-type: none"> <li>AWS (Application and DB Servers) with Nginx as web server with SSL certificate.</li> <li>Digital Ocean for video streaming worker servers, Sentry for error detection.</li> <li>Globally used by 7000+ users. Social media managers of political parties are actively using the product to handle social platforms like FB Live and YouTube Live.</li> </ul>			

## Data Science Intern at CodingNinjas

March 2018 – July 2018

- ▶ Data analysis of students' performance and their engagements throughout the course for predicting their interest in joining another course in near future.
- ▶ Trained neural network for same problem with 77% accuracy and integrated model with backend application for generating reports.
- ▶ Created content for Machine Learning and Web Development courses.

## Software Developer Intern at Walmart Labs

May 2017 – July 2017

- ▶ Developed suite for integration and functional testing for Optimizer 2.0
- ▶ **Technologies Used:** TestNG Framework, Jenkins for regression testing job.

## Projects

### Image Description Generator

April 2018

- ▶ Trained a deep neural network using RNNs to generate description of input image in English.
- ▶ Used Flickr8K dataset for training and used LSTM for maintaining state with context.
- ▶ **Technologies Used:** Python, Keras with TensorFlow Backend, Google Colab, RoR.

### Article Classification Filter

February 2018

- ▶ Implemented article classification using Supervised ML Algorithm (Multinomial Naïve-Bayes).
- ▶ **GitHub URL:** <https://bit.ly/2tsy4Ka>

### Image Editor Tool

January 2017

- ▶ Front-end tool that has features like resizing, drag-drop and overlaying of images.
- ▶ Implemented feature for overlaying images over video to add company specific logo before broadcasting.
- ▶ **Technologies Used:** HTML, JavaScript, Canvas/KineticJS.

## Achievements

- ▶ Mentored team to win 3<sup>rd</sup> position in Smart India Hackathon, 2018 (SIH) organized by MHRD and received an award of 50K INR. Idea was to streamline loan management
- ▶ Won 3<sup>rd</sup> position in Walmart GTS GBS Hackathon, 2018. Idea was to use blockchain in procure to payment cycle.
- ▶ Among the final 15 teams in Spark 2 - ShopClues Hackathon 2017.