

Aakash Gupta

Personal Info

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LinkedIn

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GitHub

https://github.com/aakashgupta96

Domain Skills

Data Structures

Analysis and Design of Algorithms

Object Oriented Programming

Database Management

Operating System Concepts

UNIX Based Operating Systems

Computer Languages

C/C++

Java

Ruby

JavaScript

Python

SQL

Front End Technologies

HTML/CSS

ReactJS with Redux

Canvas

KineticJS

Back End Technologies

Ruby on Rails

Spring Boot

Kafka

Spring Batch

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

- Back End Projects:**
 - Dashboard search service to provide information for Accounts Payable Data Entry Users.
 - Item price service to provide data of previous and current item price at store level.
 - Technologies: Spring Boot, Java8
 - ETL project to migrate bulk data (3 Billion Records) from DB2 to MongoDB.
 - Technologies: Spring Batch, Redis, MySQL, RabbitMQ
 - NRT pipeline to sync data in live data sources i.e. DB2 and MongoDB.
 - Technologies: Kafka Connect, Kafka, Spring Cloud Stream
- Front End Development:**
 - Developed dashboard and search filters for Accounts Payable Data Entry Users.
 - Technologies: ReactJS, Redux for state management, Material Design.
- DevOps:**
 - E2E CI/CD pipeline, platform designing and setup for deployment of micro-services.
 - Proposed optimal resource grouping for Azure Cloud and hence reduced operational cost.
 - Technologies: OneOps, Looper (Jenkins), Concord (Orchestration Tool).

Lead Developer and Owner at Shuriken Live

December 2016 – March 2018

- Responsive Web-App for streaming live videos to social networking platforms like FB Live, YouTube Live, Periscope etc.
- Front End Technologies:** HTML/CSS, JavaScript, KineticJS/Canvas, Material Design.
- Back End Technologies:** (<https://www.streamidea.com>)
 - Ruby on Rails as back end tech stack, FFMPEG for video streaming.
 - Asynchronous Job Processing using Redis and Resque Gem.
 - Selenium headless browser with ChromeDriver, XvFB and ALSA for video/audio capture.
 - PostgreSQL, integrated payments with PAYPAL and Instamojo.
- Deployment and Impact:**
 - AWS (Application and DB Servers) with Nginx as web server with SSL certificate.
 - Digital Ocean for video streaming worker servers, Sentry for error detection.
 - 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.

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

- Automation Testing Framework:**
 - 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.
- 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>