Aakash Gupta

Personal Info

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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++   Ruby

Python   JavaScript

Java   SQL

Front End Technologies

HTML/CSS   ReactJS with Redux

Canvas   KineticJS

Back End Technologies

Ruby on Rails   Spring Boot

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

- **DevOps:**
  - E2E CI/CD pipeline, platform designing and setup for deployment of micro-services on private cloud.
  - Came up with optimal architectural configuration for deployment.
  - Technologies: OneOps, Looper (Jenkins), Concord (Orchestration Tool).
- **Front End Development:**
  - Developed dashboard for Accounts Payable Data Entry Users.
  - Technologies: ReactJS, Redux for state management, Material Design.
- **Back End Development:**
  - Created APIs to be consumed for populating information on user dashboard.
  - Technologies: Java8, Spring Boot Framework.

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 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

Image Editor Tool   January, 2017

- Front-end tool that has features like resizing, drag-drop and overlaying of images.
- Technologies Used: HTML, JavaScript, Canvas/KineticJS.