

Academic Details

YEAR OF PASSING	QUALIFICATION	INSTITUTE	PERCENTAGE
2018	B.E in Computer Science	Netaji Subhas Institute of Technology, Delhi	74.56 %
2014	Class XII CBSE-AISSE	Rajkiya Pratibha Vikas Vidyalaya, New Delhi	94.8 %
2012	Class X CBSE-AISSE	Rajkiya Pratibha Vikas Vidyalaya, New Delhi	10 CGPA

Experience

- Internship at WALMART LABS:** May, 2017 – July, 2017
 - Developed a framework for automated integrational and functional testing for their latest product, **Optimizer 2.0** on TestNG framework using Maven framework for dependency injection.
 - Integrated a Jenkins test automation job with the product.
 - Developed a client to consume the API exposed by Optimizer 2.0 to automate testing.
- Shuriken Live:** <https://www.shurikenlive.com> Dec, 2016 – March, 2018
 - Full Stack Development** of a responsive web-app for posting and streaming live videos to social networking sites like Facebook, YouTube, Periscope etc.
 - Front-End Technologies Used:** HTML/CSS, Java Script, KineticJS/Canvas, Material design.
 - Back-End Technologies Used:** Ruby on Rails, FFMpeg for video streaming, Background job-processing using Resque and Redis server, Selenium with Chrome Web Driver, Xvfb for screen capture and ALSA drivers for audio capture from server, Facebook Graph and Live API, PostgreSQL, Git, Active Admin for website administration, YouTube-DL, Integrated payment with PayPal and Instamojo.
 - Deployed On:** AWS (Application and DB servers) using Nginx and Unicorn web servers with SSL certificate, Digital Ocean (Video Streaming servers), Integrated Sentry for error detection and New Relic for system monitoring.
 - Impact:** Made live streaming of pre-recorded content very easy. It is **being used GLOBALLY** by **6400+ USERS**.
- Teaching Assistant** at Coding Ninjas in web development batch: January, 2017 - April, 2017
 - Mentored students on developing web-application for E-Commerce platform as their project on Rails Framework.

Projects

- Article Classification Filter:** February, 2018
 - Implemented article classification using Supervised Machine Learning (Multinomial Naïve Bayes) Algorithm from scratch in Python.
 - GitHub URL:** <https://github.com/aakashgupta96/Learning-ML/blob/master/Aakash/TextClassificationUsingNaiveBayes.ipynb>
- Image Editor Tool:** January, 2017
 - Made a front-end tool that includes features like combining/overlaying images, resizing and drag/drop of images. Used this tool in Shuriken Live project to allow users to design frame for live polling videos.
 - Technologies used:** HTML Canvas, Java-Script, KineticJS.

Technical Skills

- Computer Science:** Programming Languages, Data Structures, Graph Algorithms, Object Oriented Programming, Analysis and Design of Algorithms, Database Management.
- Languages:** C/C++ (Proficient, well-experienced), Ruby, Python, Java, SQL.
- Frameworks:** Rails (MVC framework), Active Admin (Administration Framework), Sinatra (Micro framework), TestNG (Testing framework).
- Front-end Technologies:** HTML5/CSS, Java Script, Canvas, Kinetic JS, Material design.
- IDEs used:** RubyMine, IntelliJ, CodeBlocks, Eclipse.
- Operating Systems:** Windows, Linux (Ubuntu).

Achievements

- Won **3rd position in Smart India Hackathon, 2018** (SIH) organised by MHRD and received an award of 50K INR.
- Among the **final 15 teams in Spark 2 - ShopClues Hackathon 2017**.
- Global rank 63** in October and **121** in July Long Challenges (2016) on **Codechef**.
 - Profile Link:** https://www.codechef.com/users/aakashgupta_96