Aakash Gupta

+9210985811 | aakash.gupta96@outlook.com

ACADEMIC DETAILS

YEAR OF PASSING	QUALIFICATION	INSTITUTE	PERCENTAGE
2018	B.E in Computer Science	Netaji Subhas Institute of Technology, Delhi	74.87%
2014	Class XII CBSE-AISSCE	Rajkiya Pratibha Vikas Vidyalaya, New Delhi	94.80%
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 integration 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, JavaScript, 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 WebDriver, 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, DigitalOcean (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 6600+ USERS.**
- **Internship at CODING NINJAS**:   **March, 2017 - June, 2017**
  - Data analysis of students' performance and their engagements throughout the course for predicting whether they will join another course in near future or not. Also trained a neural network with 77% accuracy and integrated it with web-application.
  - Created content for Machine Learning and Web Development online and offline courses.

PROJECTS

- **Image Description Generator:**   **April, 2018**
  - Trained a deep neural network to generate description of input image in English language. It analyses image to identify objects and relation between them to generate grammatically correct meaningful sentences.
  - **Technologies used:** Python, Keras with Tensorflow Backend, Google Colab, Ruby on Rails framework
- **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.
  - **Technologies used:** HTML Canvas, JavaScript, 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, TestNG (Testing framework).
- **Front-end Technologies:** HTML5/CSS, JavaScript, Canvas, KineticJS, Material design.
- **Operating Systems**: Linux (Ubuntu), Windows.

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