AJEET KUMAR

ajeet108msit@gmail.com
F-53, Nauroji Ngr, NDelhi-29
+91-9560813889
ajeet-yadav.github.io

SUMMARY

My interest includes Learning Algorithms, Data Analysis, Mobile app development, Automated Testing, SRS design, and I am thoroughly interested in writing code.

EDUCATION

2012 - 2016	**Guru Gobind Singh Indraprastha University**, New Delhi, India. Bachelors of Technology (B.Tech), Major in **Computer Science**.	Aggregate: 74.26%
2013	**Kendriya Vidhyalaya Sec-8, R K Puram**/Class 12, CBSE.	Aggregate: 85%
2011	**Kendriya Vidhyalaya AFS, Agra**/Class 10, CBSE.	Aggregate: 91.2%

EXPERIENCE

– Research Intern, **Unisys Research**, Bengaluru. June ’15 -July ’15

- ❖ Fabric integration with OpenStack cloud Guide: Nandish J Kopri (Principal Engineer)
  - Worked on the task of integration of fabric with public cloud platform followed by research paper titled 'Study on Integration of the Forward! System (Fabric) with OpenStack cloud'.

– Engineering intern, **Bharti Airtel Ltd**, Gurgaon. Aug ’15 -Aug ’15

- ❖ Performance and Automation Testing, 'Airtel Money'. Guide: Mr. Lalit Manchanda (Team Lead)
  - I performed Automation and Performance Testing for web services 'Airtel Money'(retailer version) using Apache JMeter.

– Industrial training at **CMC Ltd**, New Delhi. Developed Predictive spellchecker program in Java. May ’14 -May ’14

PROJECTS & PUBLICATIONS

• Implemented Artificial Intelligence through Predictive spell check program in Java. (2014)
- this was a pre-final year project based on AI in which for each incorrect word prediction is given which takes less than 1sec to produce a result. Presentation and report on same.

• Study on Integration of the Forward! ™ System (Fabric) with OpenStack cloud. (2015)
- In this paper, the background, requirement, and methods opted for implementation of OpenStack APIs those are needed to be integrated with forward fabric. FFM APIs interaction in order Access to Datacenter.

• Study on Human Activity Recognition using through mobile’s tri-axial accelerometer using time domain analysis and Machine Learning. (ISBN :973-93-80889-67-0, IJCA). (2015)
- The approach was to perform a time domain wave analysis on the collected data and extracts relevant features that distinguish various activities (walking, standing etc.) using business intelligence tool ‘tableau’.

• Study on Analysis of Machine Learning Techniques Used in Malware Classification in cloud computing environment. (ISBN :973-93-80890-81-7, IJCA). (2015)
- This is a final year minor project with the aim of applying machine learning techniques to big data and analyzes their efficiency and modify them. The work ultimately leads to the research paper.

• Optimizing Simulation using Graphical processing unit through CUDA C. (2016)
- The focus of this project is to use GPU to determine the optimal parameter to use when generating a few different technical analysis indicators.

• Merging of Taxonomies of Semantic Similarity in the Biomedical Domain. (2016)
- The goal of the project is near duplicate detection for data warehouse construction for medical images between the multiple terms.

• The Effect of Low-Energy Communication with Machine Learning. (under review, IEEE Xplore-17)

ACHIEVEMENTS

– Secured 91.78 percentile in **GATE** 2016 Computer Science, out of over 1 million students appeared in exam.

– Semifinalist (Top 10) in National Level Research competition '**Cloud v20**' by Unisys.

– Received Central Board of Secondary Education(CBSE) **merit scholarship** based on scorings in 12th Board.

– Received a departmental scholarship from Ministry of Home affairs (Govt of India).

TECHNICAL KNOWHOW

Programming Languages	C/C++, Java, JavaScript and *exposure in* Python, Shell scripting.
Web Programming	HTML5, CSS and *exposure in* XAML.
Designing software	Ration Rose, MATLAB, and MAYA.
DBMS	MySQL.

WORKSHOPS & TECHNICAL GATHERINGS

- Attended **Android Application Development** workshop of 8 hours in MSIT.
- Online course of Python language for Search Engine Development by **UDACITY.**
- Attended **Artificial Intelligence** workshop of 16 hours in MSIT organized by OSA HUB.
- Attended online course of 9 weeks from NPTEL on **Programming, Data Structure, and Algorithm.**
- Took part in **Google Developer Group** (GDG) **Hackathon** and **Azure** Cloud organized by Microsoft.

OTHER PROJECTS.

- **Wireless Charging Project** (July 2013)
  Developing a wireless power transfer system for lighting an LED through concepts of Mutual Induction. As a part of the project we analyzed, the normal device can be wirelessly charged with adding a small circuit.
- **Sentiment Analysis.** (Feb-2014)
  ◦Aim of the project was to make a program which analyzes the human comments fetch from amazon website and give star ratings. As a part of the project, we analyzed the algorithm and limitations of C.
- **Web Spider/ crawler.** (Feb-2015)
  ◦ The Web Crawler is nothing but a console application in python for reading various URLs and pick wanted data to store in our database. I was responsible for only the URL Reading.
- **Arduino basic project.** (Jan-2015)
  ◦ Blink of LEDs, motor control, dimmer using computer programming.

EXTRACURRICULAR ACTIVITIES

- Published 2 applications in windows phone 8 store as well as 1 application for windows store.
- World ranking of 310 (Badge) in Nokia application development challenge, DVLUP.
- Windows phone 8 app 'Techtree' Selected for Nokia Millionaire club.
- Received $767 from **Google**.
- Got sponsorship for my Open source project at GitHub.
- 3rd position at an event sponsored by DRDO on Research paper and project presentation.