

YAMAN KUMAR

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EDUCATION

NSIT	80.04% (Top 10% of the class)	New Delhi
Bachelor of Engineering(Honors), Computer Engineering		2014-2018
Gyan Mandir Public School	96%	New Delhi
CBSE - AISSEE		2014

TECHNICAL SKILLS

- Languages :- C/C++ , Python, Java
- Relevant Coursework: Discrete Maths, DBMS, Operating Systems, Algorithms and Data Structures, Networking
- Machine Learning : University of Stanford - Coursera certified (secured 98.8%)
- Deep Learning : University of Stanford
- Cloud Computing : University of Illinois - Coursera certified

PUBLICATIONS

Deep Learning System for LipReading from Silent Videos

- Implemented CNN - LSTM network for detecting words and sentences spoken in a silent video
- Submitted to **ACM Multimedia Brave New Ideas - 2018**

AutoSAS: Automatic Grading of Short Answers

- Implemented Natural Language Processing Based automated system for grading of short answers
- Achieved accuracy better than state-of-the-art algorithm – 80% on ASAP SAS, A Std. Dataset avl. on Kaggle
- Submitted to **EMNLP – 2018**

TECHNICAL PROJECTS

Image Search Engine

- Developed a Machine Learning Based Image Search Engine using Python and Histogram Image Processing
- Running Time of <30 seconds for an image dataset close to 50k

The Gotham City Tour Manager and Bank Application

Dec - May '16

- Developed a web-based desktop application for fetching and displaying weather, news, exchange-rates and airfare between two cities in real-time
- Technologies used - Web Parsing, Java Swing, Data file handling

EXPERIENCE

Software Development Engineer (MTS) at Adobe Systems

June 2018 - Present

- Part of team ACPLocal, responsible for providing access to Cloud to all Adobe Apps

National University of Singapore (NUS)

April 2018 - Present

- Deep Learning Research Associate under Prof. Rajiv Ratn Shah, IIIT D and Prof. R Zimmermann, NUS

Arista Networks

Bangalore

Software Development Engineer Intern

Jun-Jul'17

- Implemented BFD Protocol support for Static Routes on Multi Agent Scalable Architecture. Feature helped in liveness detection of Next-hop and availability of corresponding routes thus avoiding **Traffic Loss by over 25%**

Aspiring Minds

New-Delhi

Machine Learning Research Intern

Dec-Feb'18

- Project based on Natural Language Processing
- Developed a Machine Learning based model for automated grading of Emails and Essays
- Grading Done on 3 parameters : Content, Flow and Grammar

Aspiring Minds

New-Delhi

Algorithms Expert, Teaching Assistant

Jan - July'16

- Helped in teaching algorithms and data - structures to candidates through online forum

ACHIEVEMENTS

- **American Express Campus Connect Coding Challenge – 2nd rank**
- **Tata Consultancy Services – AIR 24**
- **Deloitte Engineering E-Mavericks Challenge – 7th position** in Delhi State
- Hackerearth Aconex Code challenge - **World Rank 25**
- Awarded **Academic Excellence Award** for **7 consecutive years(2007 - 14)**
- Granted **fellowship** by **Engineering Watch**
- Secured **1st position** in Panasonic **Technical Project Competition**
- Secured **AIR - 196** in India Hacks(Hackerearth)
- Secured **AIR - 333/2281** in Snapdeal Hackathon
- Granted **merit scholarship** for two consecutive years 2014, 2015