

Abhishek Kadian

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Education

New York University, New York, NY

Sept 2016 – May 2018

MS in Data Science, Center for Data Science

Coursework: Statistical NLP, Introduction to Data Science, Statistical and Mathematical Methods

Birla Institute of Technology and Science, Pilani, India

Aug 2010 – Aug 2014

BE (Hons.) in Computer Science

Work Experience

Microsoft Research, Bangalore, India

Dec 2014 – Jun 2016

Research Fellow

- Improved the quality of ads displayed to Bing users in response to their search queries. Our system was shipped to different Bing Ads markets like UK, Germany. The problem was posed as a supervised machine learning problem. Joint work with the Bing Ads team and Dr. Manik Varma (Microsoft Research India).
- Added FastXML (an algorithm for solving “Extreme Multi-labeling” problem) to the machine learning toolkit used inside Microsoft. This involved writing and integrating the algorithm’s code with the toolkit’s codebase. As part of this process we also improved the training time by 15% and reduced the memory consumption by 50%.

Chennai Mathematical Institute, Chennai, India

Jul 2014 – Nov 2014

Research Intern

- Worked on the problems “MCVP on Surface Embedded Circuits of Bounded Genus in Logspace” and “Max Matching in Logspace” with Prof. Samir Datta.

Tonbo Imaging, Bangalore, India

Jan 2014 – Jun 2014

Software Engineering Intern

- Developed a simulation environment which is being used inside the company for testing of vision algorithms.
- Worked on image stabilization and jitter removal for video feed captured by a thermal camera.

Directi, Gurgaon, India

May 2013 – Jul 2013

Software Engineering Intern

- Developed an Android library which given a text message can identify web links in the message and create a rich view which contains a thumbnail, title and description for the link. Repository for the project: <https://github.com/darkstar112358/RichChat>.
- Developed an Android library which can be used to integrate a feedback feature into Android apps. Repository for the project: <https://github.com/darkstar112358/AndroidFeedbackFeature>.

Projects

EP tab: Fetches beautiful nature pictures and uses them as background for the empty new tabs opened in Chrome. As of 3rd September 2016 the extension has 1256 active users. Chrome web store link for the extension: <https://goo.gl/2bJAEI>.

Compiler: Designed and implemented a compiler in C for a toy language as a part of the course Programming Languages and Compiler Construction.

Achievements

- Placed 4th in ACM ICPC, Asia regionals - 2014. The top 3 teams went on to world finals.
- Regularly participated in online-programming contests conducted by Topcoder and Codeforces. At the time of active participation was ranked 54th in India on Codeforces and in the 90th percentile internationally on Topcoder.
- Multiple top 10 finishes in popular programming contests conducted by Codechef.