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Abhinav Singh

Objective

My primary interest lies in Deep Learning and applications of Machine Learning in NLP. I am also venturing into applications of Deep Learning in Image Recognition and Processing. Through my work, I wish to not only understand but also contribute to the world of Intelligent Agents.

June 2016 - Present Research Engineer, Liv.ai

- Working in Deep Learning Projects such as Named Entity Recognition, Character based Neural Language Models, Generative Adversarial Networks , employing DNNs such as RNN,LSTM, CNN, GAN, etc

July 2012-May 2016 National Institute of Technology, Kurukshetra, India

- Excelled in courses in undergraduate study such as Data Structures, Object oriented programming and Database Systems
- 1st prize in debating and quiz competitions in college.

October 2015

- Presented a Research Paper titled :"**Mobility and Energy Conscious Clustering Protocol for Wireless Networks**" at International Congress on Information and Communication Technology 2015 (ICICT 15), proceeding of which are scheduled to be published in Springer AISC.

Sept 2015-Dec 2015 International Institute of Information Technology, Hyderabad

- Working in the "Anusaaraka" project,under Dr. V. Chaitaniya .Anusaaraka is a Machine Translation System for English translation to Indian languages.My role here has been to improve it's accuracy by improving techniques employed for word sense disambiguation.

June 2015-July 2015 Indian Institute of Technology, Delhi, India (Summer research internship)

- Worked and researched in the field of Data Mining with Prof. B. Chandra in frequent itemset mining. Working with Association Rule mining Algorithms such as pincer search and Apriori Algorithms to conduct data mining.

June 2014-July 2014 Indian Institute of Technology, Delhi, India (Summer research internship at The Supercomputing Facility for Bioinformatics and Computational Biology)

- Worked and researched in creation of programs capable of running on the distributed computing system(multi teraflop supercomputer).Worked on solving problems in the area of Drug Design at **The Supercomputing Facility for Bioinformatics and Computational Biology** from 12 June 2014 to 24 July 2014.
- Developed modules for the sanjeevni software such as Weiner index and Molecular volume calculator which are currently being used and can be accessed at Volume Calculator Link and Weiner Index Link

June 2013-July 2013 Siemens (Summer internship)

- Worked on creation of programs capable of running on a distributed computing system.Developed modules for their software for Building Automation Management systems for the New Doha International Airport (Qatar).

April 2009-May 2011 S M Arya Public School, West Punjabi Bagh, New Delhi, India

- Excelled in academics and passed grade 12^{th} higher secondary school certificate examination of CBSE in First Class with Physics, Chemistry, Mathematics, English and Physical Education as the main subjects.

July 2008-May 2009 Delhi Public School, Kolkata, India

- Excelled in academics and passed grade 10^{th} secondary school examination from CBSE with 94% marks. Main subjects of study were science, mathematics, english, sanskrit, social science, etc.
- 3^{rd} rank in grade 10^{th} in school.
- Certificates for scoring more than 90% in all subjects such as mathematics, science, English, social science etc.
- Member of school basketball team.

April 2006-June 2008 Al Ghubra High School Muscat, Oman

- Completed grade 8^{th} , 9^{th} and excelled in academics.
- Received many certificates of achievements in extra curricular activities.
- Rank 5 worldwide in Canadian maths olympiad organised by Canadian society for science.
- Member of school basketball team.