ABHISHEK KUMAR

1st Year MS Student, Computer Science and Engineering
Ohio State University, Columbus, OH

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EDUCATION

The Ohio State University, Columbus, OH — May 2019
M.S., Computer Science and Engineering GPA 3.8

Indian Institute of Technology, Ropar, India — May 2014
B.Tech , Electrical Engineering GPA 7.56/10

ENGINEERING EXPERIENCE

Cisco Systems India Inc., Software Engineer (June 2015-Mar 2017)
Service Provider Access Group, Bengaluru, India

- Development of a zero-touch provisioning system for metro-Ethernet switches.
- Development of controller based solution to remotely configure NID switches near Customer Edge in network.
- Involved in implementation and development of services designed to replicate config files in deployed NIDs.
- Experience working in an Agile setup

Cognizant Technology Services, Associate (Developer) (Aug 2014-May 2015)
Open Source Centre of Excellence in ASP BPI, Chennai, India

- Development of solutions focused on open source technologies such as Redhat JBOSS Fuse Middleware.
- Development of solutions with EXT-JS, Spring MVC and JBOSS Fuse technologies.
- Development of Backend layer solutions with SQL

INTERNSHIP

Lucid Software's, Chennai, Research Intern (May 2013-July 2013)

- Conducted analysis of Ray Tracing algorithms and applications of Fermat's theory in Minimum Path problems.
- Development of an algorithm for Global Minimum Path based on Graph Theory using Greedy Algorithms and Dijkstra's algorithm.

Indian Institute of Technology, Delhi, Research Intern (May 2012-July 2012)

- Involved in the development and analysis of GUI systems for real time data acquisition
- Analyzed systems for feature extraction and decision threshold learning for online verification of hand based biometrics.

PROJECTS

AI Player for Othello (Artificial Intelligence Course: Spring 2014)
Mentor: Dr. C K Narayan , IIT Ropar
-Development of AI player based on an A-STAR algorithm with different heuristics.

Application of Signal Compression using Complementary Codes in Infrared Diagnostics. (Spring 2014)
Mentor: Dr. Ravibabu, IIT Ropar
-Involved in the development of a NDT algorithm based on the use of pulse compression in Complementary Coded Sequences to achieve better SNR and penetration depth.

TECHNICAL SKILLS

Languages: C, C++, Java, Python
Scientific Software: Matlab , Comsol Multiphysics, Tensorflow.
Parallel Programming Tools: OpenMP, CUDA,MPI(MVAPICH2).
Relevent Courses: Machine Learning, Advanced Computer Networks, Artificial Intelligence, Image Analysis, Linear Algebra
Databases: MySQL
Middleware: MuleSoft, Redhat Fuse.