

Varun Singh

Phone: +91-7899080717

Email: varun.singh251@gmail.com

Date of Birth: 1st August 1990

Address: 101-Kanthis Residency, 4th Cross, NGR Layout
Roopena Agrahara, Bangalore, Karnataka-560068

Education Summary:

Master of Technology in Information Technology <i>Specialization in Computer Science</i> <i>International Institute of Information Technology, Bangalore</i>	2.93/4.00	July,2013 – July,2015
Bachelor of Technology <i>Specialization in Computer Science Engineering</i> <i>Babu Banarsi Das Institute Of Technology</i>	72.66 %	July,2008 - June,2012
Higher Secondary Certificate <i>S.V.M. Inter College (Uttar Pradesh Board)</i>	77.00 %	July,2006 - June,2007
Secondary School Certificate <i>S.V.M. Inter College(Uttar Pradesh Board)</i>	77.50 %	July,2004 – June,2005

Technical Expertise:

Programming Languages	: C, Python, Basics of JAVA, R Programming
Operating Systems	: Windows, Ubuntu, Linux, MacOS
Packages	: Microsoft Office, Eclipse, CTD(Optimization Tool by IBM)
Database	: MySQL, DB2
Networking Software	: Cisco Packet Tracer 5.3, Spirent, Ixia
Area of interests	: Machine Learning, Advance Algorithm, Web Information Retrieval, Convex Optimization, Data Structures, Operating System,Algorithm

Work Experience:

Total: 4.2 Years

Organization	: Cisco
Duration	: 2 Years 1 Month (Feb 2017 to Present)
Role	: Software Engineer

Description :

I am working here on Layer-2 Forwarding Team of Cat9K switches which are next generation switches of CISCO, I am the part of CSG BU which is the most revenue generation team of CISCO. Worked on development algorithm of MTU, Channel group, Vlan Translation and CDP and problem solving algorithm. I have worked here on bugs classification and “pinion & Text mining” project (Machine Learning) internal project also.

Organization	: IBM - Indian Software Lab (IBM-ISL)
Duration	: 1 Year 7 Months (July 2015 to Feb 2017)
Role	: Software Engineer

Description :

I worked here on Mobile Device Management project, which id MaaS360, in which we deal with security and control over enterprise devices. I have worked here on Insight advisor project which was one of the main feature for MaaS360, which informs users about their device risk exposure like

vulnerabilities and malware, information like new releases, and opportunity like leveraging new features. I used different Watson data services and machine learning algorithms here.

Internship:

Organization	: Intel India Private Limited
Duration	: 6 Months (Jan 2015 to June 2015)
Description	: It was a learning experience for me, where I worked on UNIX file system, Shell and Perl Scripting.

Industrial Training:

Organization	: Hewlett Packard Education Services (HPES)
Duration	: 6 Week (Jun,2011 – July,2011)
Scope	: The training was implemented to gain knowledge of Network Administration - Routing and Switching .
Grade	: A+
Achievement	: Worked with real devices while handling team lead responsibilities and received appreciation by full HP team.

Projects:

1. Rating Movie Reviews using topic modeling	Aug,2014 – Dec,2014
Technology used	: Python, Java
Libraries used	: JgibbLDA, Scikit-Learn

Description:

The objective is to rate movie reviews on the basis of the textual data. This can be also used in rating YouTube videos out of 10 on the basis of comments.

2. Movie Recommendation System	Oct,2014 – Dec,2014
Technology used	: Python, Json
Subject	: Machine Learning

Description:

The purpose of the project is to develop a system about the movies. This can identify for every movie in the given list, 10 other similar/related movies in the same list in descending order of similarity.

2.Virtual Lab - Government Of India sponsored Project	Jan,2014 – Dec,2014
Technology used	: C, Embedded C
Role	: Algorithm designer

Description:

The purpose of the project is to develop a remotely operated lab environment, where students can physically exercise concepts of robotics and electromagnetic systems.. This kind of setup can also be used by an organization to test equipments or machines remotely.

3. Inbound messaging in Learning Management system (LMS-MOODLE)	Jan,2014 – July,2014
Technology used	: MOODLE, Mysql
Role	: Team lead, Database designer and did parsing

Description:

In the current MOODLE system there is no inbound messaging functionality, so we will implement the inbound messaging in MOODLE system. The inbound messaging functionality allows special

permissions like forum posting, assignment submission etc. to users who are granted access only through their email IDs, without the need of a proper login process.

4. The Dial-a-Ride problem – Cab scheduling

Aug,2013 – Dec,2013

Technology used : C

Role : Algorithm Designer, Developer

Description: Dial-a-ride is a form of public transport system which tries to achieve the Comfort level of a taxi service at low cost. It is characterized by flexible routing and scheduling of Small vehicles operating in shared-ride mode between pick-up and drop-off locations as requested by passengers.

Achievements:

- Score **99.08** percentile in GATE-2013.
- Got good performance award in INTEL during internship.
- Active member of Computational Science Laboratory (CSL) in IIITB.
- Selected for **Societe Generale** mentorship and scholarship program 2013-2015.