

## Education

### Master of Science – Computer Science- GPA 3.7

**May 2018 | Binghamton University**

CS 535 - Data Mining, CS 575 - Design &amp; Analysis Algorithm, CS - 542 Design Patterns

CS 571 - Programming Languages, CS 520 - Computer Architecture &amp; Organization, CS 550 - Operating System

## Technical Skills

<b>Language:</b>	Java, C(Advanced), C++, Python, ALP(Intermediate), Haskell. Prolog, Scheme, GO(Novice)
<b>Front End</b>	HTML 5.0, CSS 3.0, Bootstrap
<b>Database:</b>	MySQL, Oracle 11g, MS SQL Server'12
<b>Tools:</b>	Eclipse, GIT, ANT, Rapid Miner, Weka, Orange, HP NMM, HP OM, Aquaman.

## Professional Experience

**Wipro Technologies | Hyderabad, India | [www.wipro.com](http://www.wipro.com)**

### Project Engineer 2 Years & 6 Months

**Jan 2014 – Jun 2016**Worked for **Microsoft Outlook** as Subject Matter Analyst

#### Responsibilities:

- Providing Service Improvement Plans to reduce cost and time by preparing new and improving existing scripts.
- Working on high priority Data loss issues to avoid data loss situations using MS SQL.
- Designing test cases to monitor and maintain over 150,000 Servers in Production and Development Environments.
- Providing deep technical knowledge to peers about Server hardware and Server's Operating Systems.
- Worked on some highly expensive and critical projects such as SSD replacement, 3TB Drive Replacement of over 150, 000 servers by introducing automation and Won various awards in it.

Worked for **Northwestern Mutual**

#### Responsibilities:

- Make monitoring automated using HP OM and HP NMM tools.
- Creating and improving scripts to monitor server health.

**An ITIL Certified Professional**

## Project Experience

### Prediction and Analysis of ATP Men's Matches using Data Mining Techniques

**2016**

- Predicting the match winner with 67% accuracy.
- Analyzing players on different court surfaces to find out surface wise stats of players
- Finding out the probability of upsets in tournaments using Decision Tree classification.
- Used Python as a language, Weka and Rapid Miner as data Processing tools.
- Data mining techniques such as Data pre-cleaning, Decision tree classification, K-mean algorithm are used.

### Application for Student Course allocation

**2017**

- Used Multithreading to allocate subjects to students.
- Handling add/drop request after course allocation
- Used Singleton and Object-Pool design patterns to implement.

### Serialization of XML Document

**2017**

- Implemented a system that involves converting the elements of XML document into Objects using Java Reflections
- Used Strategy pattern to implement

### Deserialization of JAVA Objects

- Implemented a system which distinguishes between objects by implementing hashCode and equals methods
- Retrieved actual information from objects and stored into a file.

**Other Projects:** Simulator for architecture pipeline (Java), Recursive Descent Parser (Java, Scheme), Student Registration System (Java, Oracle11g), Mobile Architecture Design (JAVA), Cloud-based Document Management System (JAVA, J2EE, MySQL, HTML), Designed Telephone directory using Binary Search Algorithm and Merge sort(C), Implemented algorithms using divide and conquer strategy, implemented all forms of Knapsack algorithms, Implemented various design patterns in Java | find me on Git-Hub @ [bhushan-rathi](https://github.com/bhushan-rathi)

## Honors and Awards

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|---|-------------|
| • Won best team player award three times in Microsoft Outlook Account   | <b>2015</b> |
| • Won best team award out of 200 projects at Wipro Hyderabad Development Centre                                 | <b>2015</b> |
| • Ranked 1 <sup>st</sup> in Wipro Training Camp on Virtualization, Cloud Computing from thousands of employees. | <b>2014</b> |
| • Won 1 <sup>st</sup> prize in national level technical event of Robotics                                       | <b>2010</b> |