

Bhushan Rathi

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Education

Master of Science – Computer Science- GPA 3.7

Dec 2017 | Binghamton University

CS 557 – Distributed System, CS 542 Design Patterns, CS 580-Web Development, CS 532 – Database System, CS 535 - Data Mining, CS 575 - Design & Analysis Algorithm, CS550 – Operating Systems, CS 571 Programming Languages, CS 520 Computer Architecture

Technical Skills

Languages:	Java(Advanced) Python, C, C++ (Intermediate), Haskell(Novice)
Web:	HTML 5, CSS 3, JavaScript, Bootstrap, jQuery, AngularJS, Node.js
Tools:	Eclipse, GIT, ANT, Rapid Miner, Weka, Dreamweaver.

Professional Experience

Software Development Intern 2 Months

Jun 2017 – Jul 2017

Worked for [Shaefa](#) as summer Intern:

- Created an application module using Python which extracts meaningful information from Healthcare database and helps identify potential Hospital readmission case.
- Studied healthcare insurance domain and worked for identifying suitable hospital across the US

Software Engineer 2 Years & 6 Months at [Wipro Technology](#)

Jan 2014 – Jun 2016

Worked for Microsoft [Outlook](#) account as Subject Matter Analyst:

- During my tenure at Microsoft, I prepared script which improved existing disk failure detection mechanism by 35%
- Provided application module which will reduce data loss issues by 15% which results in saving thousands of dollars.

Responsibilities:

- Providing Service Improvement Plans to reduce cost and time by preparing new and improving existing scripts.
- Designing test cases to monitor and maintain over 150,000 Servers in Production and Development Environments.

Worked for [Northwestern Mutual](#) account

Responsibilities:

- Make monitoring automated by building application software.
- Creating and improving scripts to monitor server health.

[An ITIL Certified Professional](#)

Project Experience

Prediction and Analysis of ATP Men's Matches

2016

- Predicting the match winner with 67% accuracy using classification.
- Used Python to code, Rapid Miner as data Processing tool and various other data mining techniques.

Daily Planner

2017

- An online/offline [application](#) which is used as daily planner.
- Created using HTML5, CSS3, JavaScript and Bootstrap framework.
- Used to plan daily activities such meetings, visits etc. also able to add, edit and delete features.

Find a Web Developer

2017

- A fictional [website](#) as web developer directory.
- Created using HTML5 features such as Geolocation, Web Storage, Application cache also CSS3 and JavaScript is used.

Instruction Pipeline simulator

2016

- Designed for faster CPU throughput using java.
- Implemented issue queue, ROB, forwarding mechanism and instruction level parallelism within a single processor.

DPML

2017

- DPML (a mark-up language) file is provided as input to convert it into Java Object
- Java Objects are used to generate DPML file using hashCode and equals methods
- Strategy pattern and Java Reflection are used to [code](#).

Recursive Descent Parser

2016

- It used to convert simple expression to standard regular expressions using recursive descent parser.
- Implemented lexical analyzer (a component of compiler) in java.

Other Projects: find me on Git-Hub as [bhushan-rathi](#)

Honors and Awards

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|---|------|
| Won best team player award three times in Microsoft Outlook Account | 2015 |
| Won best team award out of 200 projects at Wipro Hyderabad Development Centre | 2015 |
| Ranked 1 st in Wipro Training Camp which was arranged for software engineers | 2014 |
| Won 1 st prize in national level technical event of Robotics | 2010 |