

## VAIBHAV PRASHANT ACHARYA

40 Seminary Ave, Binghamton NY 13905 | 512-662-8468 | vaibhav.ach@gmail.com

### EDUCATION

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<b>Master of Computer Science</b> Binghamton University, New York.	<b>Aug 2016 - PRESENT</b>
<b>Master of Computer Science</b> University of Pune, India.	<b>June 2016</b> 4.50/6.00
<b>Bachelor of Computer Science</b> University of Pune, India.	<b>May 2014</b> Percentage: 55%

### TECHNICAL SKILLS

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Programming Languages (Proficient): C, Ruby, Ruby on Rails, Java, PHP

Programming Languages (Familiar): C++, JavaScript, Haskell, Prolog

Operating Systems: Android, Windows XP, Vista, 7, 8, 10, Linux

Tools: Visual Studio, Android Studio, Eclipse, MS Word, MS Excel

Databases: Microsoft SQL Server, MySQL

Other: HTML, CSS, Haml, Git

### PROFESSIONAL EXPERIENCE

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#### PCSoft ERP Solutions Pvt. Ltd. – INDIA

*Assistant Android Developer & BI Analyst (Internship)*

- Designed, developed and maintained the Android mobile application for the ERP software of the company
- Implemented material design for Android to provide more aesthetic, interactive, visually appealing experience to the user
- Successfully connected Android studio with Microsoft SQL Server
- Generated reports and presentation using Excel report builder for the BI team

[Java, Android Studio, Microsoft SQL Server, MS Excel]

### MASTER'S PROJECTS

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#### Travelling Salesman Problem, Knapsack Problem, *Design and Analysis of Algorithms*

- Implementation of brute force and branch and bound algorithms to the Travelling Salesman problem.
- Implement the dynamic programming algorithm for the Knapsack problem. [Java]

### POSTGRADUATE PROJECTS

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#### Traffic Offense Tracker, *Final Year Project*

Developed an application to provide real time information about traffic offenders to the traffic officers.

We studied Android Operating System more thoroughly to implement number of 'activities' and store the data in SQLite. The system generated an output based on the severity and the count of the offense, thus guiding the traffic officers to make the right decision. [Android]

### UNDERGRADUATE PROJECTS

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#### JBiTTorrent, *Final Year Project*

Created a cross-platform, secure and reliable download manager with features like interactive UI password recovery, file download and saving logs of each user in the database. Established connection between client and respective servers and possible enhancements include deployment of error control. [Java, MySQL]