

# Vandit Agarwal

University of Michigan - Ann Arbor  
M.S. Computer Science and Engineering

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## Education

B.Tech Information Technology 2011-2015  
Manipal Institute of Technology, Manipal University, India

- Cumulative Performance Index (CPI) of 8.80 (on a scale of 10) - **Ranked 3<sup>rd</sup> out of 131**

## Technical Languages

Python, C++, C, C#, Java, MySQL, Embedded C, HTML, CSS, JavaScript, VBScript

## Publications

**Vandit Agarwal, Mandhani Kushal and Dr. Preetham Kumar, "An Improvised Frequent Pattern Tree Based Association Rule Mining Technique with MFI Algorithm and a Modified Header Table", published in "International Journal of Data Mining and Knowledge Management Process", March 2015.**

## Internships

- **IKA DATA, spol. s.r.o., Prague, Czech Republic - "Dynamic Filters for Data Consistency in Revit; Software for Data Compatibility between Archibus FM and Revit; Add-Ins for Revit"** (Jul-Oct 2015)
  - Retrieved data dynamically from Revit and Archibus models that ensured data compatibility amongst them.
  - Developed using API for Revit 2015, .Net Framework, XML, Oracle 11g and MSSQL.
  - Developed Add-Ins for architects which provided functions absent from Revit 2015.
  - Work currently deployed and in commercial use.
- **Manipal Institute of Technology - "An Advanced Generalization Based Method to Ensure Privacy and Anti-Discrimination"** (Feb-Jul 2015)
  - Researched the possibility to simultaneously provide data privacy and anti-discrimination.
  - Implemented a new l-diversity algorithm with anti-discrimination using python.
- **AGH University of Science and Technology, Krakow, Poland - "Spray-Based Support for Scientific Web Services"** (Jun-Jul 2014)
  - Researched and implemented Akka actors with its REST support provided by SPRAY for scientific web services.
- **Air India: (i) "Automation of Daily Activity Report for System Administration"** (Dec-Jan 2014)  
**(ii) "Automation of User ID Management for RAMCO Aviation Solutions"** (Jun-Aug 2013)
  - Developed application using .Net that allowed better management of manuals for system administration.
  - Automated the process of managing limited number of licences for the RAMCO software.
  - Work currently commercially deployed.

## Leadership and Volunteering

- **Vice-Chairman** of "IEEE Student Branch Manipal" (2013-2014).
- **Represented** the I&CT Dept. at **BTECH Curriculum Conclave, 2014.**
- Volunteer at **Friends of Tribals Society** (Jan 2016-Mar 2016) - involved in *Van Yatra Program* and *development of in-house software.*
- Volunteer at **ETASHA Society** (Mar 2016-May 2016) - *conducted conversation and computer classes, photography, social media and blogs.*