Vandit Agarwal

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Education

- University of Michigan - Ann Arbor (Expected) Dec 2017
  M.S. Computer Science and Engineering

- Manipal Institute of Technology, Manipal University, India 2011 - 2015
  B.Tech Information Technology
    - CGPA: 8.80 (on a scale of 10)   • Ranked 3rd in the batch of 131

Internships

- **IKA DATA, spol. s.r.o., Prague, Czech Republic** Jul-Oct 2015
  Software Development Intern
    - 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 commercially deployed.

- **Manipal Institute of Technology, Manipal, India** Feb-Jul 2015
  Research Assistant
    - 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** Jun-Jul 2014
  Research Assistant and Programmer
    - Researched and implemented Akka actors with its REST support provided by SPRAY for scientific web services.

- **Air India (IT Dept.)** Dec 2013-Jan 2014
  Software Development Intern 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

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

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.

Technical Languages

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