

# Vandit Agarwal

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## Objective

Seeking **Summer Internship** in the field of **Software Development, Web-Based Technologies, Front- and Back-End Development and Databases/Data Mining/Data Analytics**.

## Education

- University of Michigan - Ann Arbor (Expected) Dec 2017  
M.S. Computer Science and Engineering  
Courses Undertaken:
  - EECS 482 (Introduction to Operating Systems) • EECS 485 (Web Databases and Information Systems)
- Manipal Institute of Technology, Manipal University, India 2011 - 2015  
B.Tech Information Technology
  - CGPA: 8.80 (on a scale of 10) • Ranked 3<sup>rd</sup> 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.
  - Gained extensive experience of working in a multi-cultural environment.
  - 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 REST support provided by SPRAY for scientific web services.
  - Gained extensive experience of working in a multi-cultural environment.
- **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.

## Current Appointments

- (Temp) **Research Assistant** in the School of Information, University of Michigan. Sep 2016-present
  - Data Analysis of the discussions around pull requests.
- **Course Operations Liaison** for Data Science Ethics course. Sep 2016-present
  - Managing and monitoring the online discussion forum and use the feedback to better shape the course.

## 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*.
- **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