

# Swaraj Khadanga

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## EDUCATION

- **University of Minnesota, Twin Cities**  
*Master of Science in Data Science* Expected May 2019
- **National Institute of Technology, Rourkela, India**  
*Bachelor of Technology in Computer Science & Engineering* GPA: (8.16/10.0)  
May 2015

## AREAS OF INTEREST

- Machine Learning, Deep Learning, Large Scale Data Processing

## COMPUTER SKILLS

- C++, Python(SciPy, NumPy, NLTK, Matplotlib), C#, SQL, NoSQL, Tensorflow, Azure, Hadoop (MapReduce)

## EXPERIENCE

- **Microsoft India Pvt Ltd** Hyderabad, India  
*Software Engineer* Jun 2015 - Jul 2017
  - **Cloud Adaption Forecaster:** Built a system that predicted potential customers who would migrate from on-premise servers to cloud for Microsoft Dynamics.  
- Achieved overall accuracy of 77% - Used: SKlearn & NumPy in Python, SQL, C#, Azure
  - **Hi Buddy (Virtual Assistant):** Collaborated with 5 others and developed a Virtual Assistant to reduce turnaround time for HR and Facilities related queries for Microsoft Internal Users.  
- Crawled HR Information Source and built a search system using Azure Search (Elastic Search).  
- Used: Scrapy in Python, Azure Machine Learning, Skype Bot Framework, Azure NoSQL databases, REST, Node
  - **Inter Company Ordering:** Worked on Order Processing System which summarizes partners' orders in Dynamics AX and creates Inter Company Order in SAP.  
- Built a highly fault tolerant and secure system using Producer-Consumer design.  
- Used: C#, SQL, Azure Service Bus, Web API
- **Weeclu - Health Care E-Commerce Startup** Hyderabad, India  
*Freelance Full Stack Developer* Nov 2016 - Feb 2017
  - **Inventory Platform for Medicine Stores:** Designed and built an end to end MVP system for collecting inventory data from Medicine Stores and expose those data via REST APIs.  
- Used: C#, SQLite, MySQL, Document DB, Blob, Angular JS
- **Microsoft India Pvt Ltd** Hyderabad, India  
*Software Engineer Intern* May 2014 - Jul 2014
  - **Mobile App Development:** Developed an application to avail the Microsoft Product key related data securely in mobile to fasten decision making. - Used: C#, XAML, SQL, Azure

## PROJECTS

- **Large Scale Graph Processing And Personalized Page Rank Calculation Using MapReduce:** Built an algorithm to efficiently calculate Topic-Sensitive-PageRank using MapReduce.  
- Used: Python, HDInsight Hadoop Cluster in Azure ,Git hub : <https://github.com/Swarajk7/PageRanking>
- **Microsoft App Store Crawler:** Crawled Microsoft Store to get review and comment dataset for text analysis.  
- Used this data to build a model which compares rating value with associated comment sentiment using LSTM model.  
- Used: Python, Scrapy, Keras , Git hub (Crawler) : <https://github.com/Swarajk7/AppStoreCrawler>

## ACHIEVEMENTS AND SOCIAL SERVICE

- **IT Peer Award - Microsoft India:** 2016
- **Semifinalist at ACM International Collegiate Programming Contest Asia Region:** 2013, 2014
- **Volunteering:** Organized End Polio campaign with the help of Rotary International. 2016