

# Sindhu Vempati

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## Education

- **West Virginia University** Morgantown, WV  
*M.S. in Computer Science* **2016 - 2017**
  - **GPA:** 3.85/4.0
  - Relevant Coursework: Advanced Analysis of Algorithms, Big Data Engineering, Software Engineering
- **Jawaharlal Nehru technological University** Hyderabad, India  
*Bachelor of Technology* **2010 - 2014**
  - **GPA:** 3.7/4.0
  - Relevant Coursework: C and Data Structures, Algorithms, Operating Systems, Computer Networks

## Professional Skills

- **Development:** Java, Python, C, Objective C, Ruby, MySQL, PHP, JS, CSS, HTML.
- **Tools:** NetBeans, Eclipse, GIT, Docker, Xcode, ALM
- **Operating System:** Linux, UNIX, Windows, Mac OS.
- **Interests:** Software Development, Test Driven Development, Design Patterns, Algorithms and Data Structures.
- **General Business Skills:** Project Management (Agile), Good team player, excellent organizational skills and sound presentation skills.

## Work Experience

- **Tech Alpha LLC** Boston, MA  
*Software Engineer* **Dec 2017 – Current**
  - Developing “Leave Application System” which supports employees to check the no. of leaves assigned/apply for new leaves using **Java**, **REST API** and **MySQL**.
  - Active participation in Front-End Web pages’ development.
  - Working on MySQL server and managing Employee Management System.
- *Software Engineer Intern* **May 2017 – July 2017**
  - Enhanced the design of “Leave Application System” for all the employees of Tech Alpha.
  - TDD of the Employee Management System for Payroll.
- **WVU Libraries Systems department** Morgantown, WV  
*Graduate Service Assistant* **Aug 2016 – Dec 2017**
  - Designed and developed **RoomMe** application using PHP, JavaScript, MySQL, **Java** and **Docker** containers.
  - Developed and configured **Search box** functionality for WVU libraries ( lib.wvu.edu)
  - Increased the efficiency of Search feature by 40%.
  - Handled and fixed Site Improve Accessibility Issues.
- **CommScope** Hyderabad, India  
*Application Developer* **April 2015 - Feb 2016**
  - Designed and Developed Home Connect Actives for the product and delivery team using SharePoint Designer 2010 workflows.
  - Designed and developed a Quality Assurance team website using Microsoft SharePoint by embedding custom slide library built in **Java**.

- Enhanced the **cCatalog** app with side menu and new user interface using Objective-C on Xcode5 for iPhone and iPod.
- Developed an iOS app **Corporate Directory for iPhone and iPad** with search bar targeting iOS 8 and later versions.

- Designed and developed a **Java** based application **Product Catalog** which allows the user to get the product with its specifications.

## Projects

- **Helping Citizens to Take Action on Political and Social Causes** Python, Twitter  
*Used Twitter API, Twitter bots and shell scripts.*
  - Designed and developed a **Big Data solution** which helps to connect US citizens and political cause campaigns based on their political/personal interests using **Python** and Twitter API.
  - Collected 1 Million streaming tweets using Python **crawlers** and filtered them in Python.
  - Developed a Python API using twitter bots and automated political/social suggestions to the users matching their political/personal interests.
- **Restaurant Finder** (<https://github.com/SindhuVempati/restaurant-foods>) Ruby, GIT  
*Using Java designed a lexer and parser*
  - Designed and developed **Restaurant Finder** prototype using Ruby by which user can search/sort/add the restaurant functionalities.
- **Library Management System** SQL, Oracle11g  
*Prototype for the centralized system of libraries located in different regions.*
  - Data modeling is done using ER and Relational model.
  - Analyzed and developed wide range of DDLs, DMLs, SPs etc.,
- **Parser** Java, JUnit  
*Using Java designed a lexer and parser*
  - Implemented the LL (1) recursive descent parser for the basic grammar.
- **Nearby iOS app** (<https://github.com/SindhuVempati/NearByRef>) MVC, Objective C  
*Designed an app using tab bar, apple maps targeting iOS 8 and later on iPhone.*
  - This application is list of various tourist places in and around Hyderabad, India.
  - Each tourist place has a gallery of pictures and details of the place. A route map is provided from current user location to the tourist places.
  - All tourist places are arranged in table view.

## Honors

- **Best performer in Fresher's:** Received best performer award at **CommScope** for showing outstanding enthusiasm in Mobile and Web domains.