

# Bhargavi Deshpande

## WORK EXPERIENCE:

### Application Development Associate | January 2016-September 2016 | Accenture India

- Under Risk and Compliance Operations-developed client related application using AngularJS programming
- Developed application codes and also performed unit testing
- As a front-end developer developed user interfaces working with HTML, CSS
- Built semantic, accessible and maintainable front-end interfaces with HTML5, CSS

### Associate Software Engineer | August 2015-January 2016 | Accenture India

- Worked on Site Core 8.0 platform in ITS – Digital Collaboration Project under Avanade as a Web Content Loader and redesigned Avanade.com site
- Performed tasks like:
  - **Content Loading:** Creation of templates, loading content from legacy site and sustain environment into the new templates to create new pages
  - **Peer Review:** Performed manual review of the new pages created by other team members and gave feedback for the same
  - **User Acceptance Testing (UAT):** Performed Manual UAT with the help of test cases document, raised and documented bugs using TFS (Team Foundation Server)
  - **Bug resolving:** Resolved the bugs raised in TFS by different members of the team

## ACADEMIC PROJECTS:

- **Voice Based Home Automation | 2015**  
The purpose of the project was to design a smart home automation system using voice recognition with low cost and wireless system.
- **Developed a Simulator to Implement Link State Routing Protocol | 2017**  
Implemented Dijkstra's Algorithm to Implement Link State Routing Protocol
- **Airline Dataset Analysis using Hadoop, Hive, Pig and Impala | 2018**  
Airline on-time performance dataset is used to demonstrate and answer few questions as to when the best time of day/day of week/time of year is to fly to minimize delays, do older planes suffer more delays, How does the number of people flying between different locations change over time etc.
- **Doctor on Demand | 2018**  
The project aimed at using HTML, Java to build a website which will help patients to book appointments for any medical category provided. Doctors can add products according to categories and there is a super master who has full access of website as he has access of both patient and doctor.
- **Smart portables Website | 2018**  
This is a JAVA web-based ecommerce website built to sell and purchase electronic Items and their accessories online. Data visualization library called json library is used to provide visualization of data.
- **Implementation of Database-like system from scratch | 2018**  
The project is Implemented using C. It Includes building i. Storage Manager-Allows to read/write blocks to/from a file on a disk ii. Buffer manager-Manages buffer of blocks in memory Including reading/flushing disk and block replacement iii. Record manager-It allows navigation through records, Inserting and deleting records. iv. B+ Tree Index structure -Disk based B+ tree Index structure.
- **Diabetic Retinopathy: Detection and different stage classification | 2018**  
The project is being applied to health care field. Is used to classify all five different stages of Diabetic Retinopathy. Proposed classifier/Data Mining technique used in the field includes Deep Learning [Inception V4 Net]

## VOLUNTEER WORK:

- Volunteered at Food for Preston, a non-profit organization which has been helping the hungry in the Preston Country, West Virginia. Aims at providing secure food, funding and fights for hunger.
- In Greater Washington County Food Bank, served as a volunteer which has been providing groceries and nutritional information to food insecure residents of Washington County.
- Volunteered at Gharkul- old age home which provides clean, homely and healthy atmosphere with healthy nutritious food for senior citizens.
- Volunteered at TECH VISTA a full day research symposium organized by Microsoft Research in Bangalore
- Coordinated for logistics team in inter-college Hackathon event KLUDGE

## CONTACT:

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[Website](#) | [LinkedIn](#) | [GitHub](#)

## PROGRAMMING SKILLS:

### Programming & Web Technologies

Python (*Pandas, Numpy, scikitlearn, Matplotlib, NLTK, seaborn, plotly*)

C, C++, R

HTML/CSS, Excel

### Frameworks & Tools

MySQL, MongoDB, AngularJS

## EDUCATION:

MASTERS IN COMPUTER SCIENCE | 2017-19

School of Computing SCIENCE

Illinois Institute of Technology

GPA: 3.50

BACHELOR OF ENGINEERING IN  
ELECTRONICS AND COMMUNICATION  
ENGINEERING | 2011-15

PES Institute of Technology (PESIT)

affiliated to VTU-Belgaum

GPA: 3.68

## RELEVANT COURSEWORK:

### Machine Learning

Regression, Decision Tree, Random Forest, Support Vector Machines, KNN, K-means, Regularized Regression (Lasso, Ridge), Neural Networks (basics)

### Statistics/Mathematics

Probability, Hypothesis testing (Z-test, t-test, Chi square test), Linear Algebra, Calculus

### Big Data Technologies

Hadoop, YARN, MapReduce, Hive, Pig, Spark HDFS, Kafka, Apache Sqoop, NoSQL databases

### Others

Algorithm Design

Data Analytics

Data Warehousing and Data Mining (ETL process)

Advanced Database Organization

Software Project Management

Enterprise Web Development

## CERTIFICATIONS:

Machine Learning-Coursera

Exam 483-Programming in C#

IBM Data Science Professional -Coursera

Neural Networks and Deep Learning

Improving Deep Neural Networks:

Hyperparameter tuning, Regularization and

Optimization-Coursera-[deeplearning.ai](#)