

# Vibhav Goel

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## EDUCATION

- **Master of Science** in Computer Science **GPA – 3.5/4**  
**University of Florida (UF)**, Gainesville, FL **Aug 2019 – Dec 2020**  
**Relevant Coursework:** Advanced Data Structures, Analysis of Algorithms, Distributed Operating Systems, Computer Networks, Database Management Systems, Human Computer Interaction
- **Bachelor of Technology** in Computer Science Engineering **GPA -7.6/10**  
**Jaypee Institute of Information Technology**, India **Jul 2015 – May 2019**

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, Python, C++, PHP, HTML/CSS, Elixir

**Technologies:** React Native, Node.js, Postman, PowerShell, Git, REST, AWS, Docker, GraphQL, Agile

**Databases/OS:** MySQL, MongoDB, Oracle, DynamoDB, Windows, Linux, MacOS

## WORK EXPERIENCE

- BILTECH - Software Engineer Intern, (INDIA)** **May - July 2018**
- Designed and developed an android application which manages the firm's product transportation process and created RESTful APIs for backend development.
  - The tracking feature of this application increased the overall transportation process of firm by **15 %**.
- ENGLISH HELPER - Software Engineer Intern, (INDIA)** **May - July 2017**
- Designed and Developed generic android application for EnglishBolo product using ViewPagers, Webview and JSON parsing. Worked for converting online business website to an android application.
  - Pursued pilot testing in production department which guaranteed **10%** rise in retention accuracy of students.
- EDURER KNOWLEDGE LABS - Software Developer, (INDIA)** **July - Aug 2017**
- Designed and Developed an Android App consisting of Chatbot for clarification of doubts & Machine Learning powered predictions. Designed RESTful webservice APIs using PHP. Used Artificial Intelligence Markup Language (AIML) files to design heuristic rules of the chatbot.
- CISCO - Software Engineer Intern, (INDIA)** **Jun – July 2016**
- Developed sample database for load testing and performed json parsing along with hibernate framework.
  - Worked on oracle database of more than **1 million** entries and developed RESTful web services for the backend development.

## PROJECTS

- GLIMPULSE (LA, CALIFORNIA) – React Native, Mobile Application, JavaScript** **June 2020**
- Designed and developed Full Stack React Native Android application. Worked for converting iOS mobile app to an android application. Also debugged the iOS application for few bugs and fixes (Currently in Beta Testing).
  - Integrated back-end APIs to improve customer experience and cut down development time and pursued beta testing in production department.
- P2P FILE SHARING - Java, Socket Programming** **August 2019**
- Implemented a P2P file-sharing system like Bit-Torrent, using TCP/IP protocols and handshaking algorithm for file management operations between peers using Java, used special message types for choking and unchoking to increase the download speed across different computers by **50%**.
- NHL INFORMATION RETRIEVAL SYSTEM - HTML/CSS, JavaScript, PHP, SQL** **April 2019**
- Implemented a website that is a user interface over a huge database, with every user search spawning complex queries. It was a team project and it helped in learning great team-management skills.
- HUMAN CENTERED COMPUTING - RStudio, R, Visual Studio** **January 2019**
- Provided an estimation to determine how accurately users can distinguish computer generated images from the actual photographic images.
- WYB (WITHIN YOUR BUDGET) - Android, RESTful APIs, Machine Learning, MySQL** **September 2018**
- Designed and developed an android application which uses machine learning to facilitate the user to locate its nearby best rated restaurants based on specified geo-location using sentiment analysis technique.
- CHAT APPLICATION - Java, Eclipse, Socket Programming** **March 2018**
- Designed and developed an interactive GUI based Chat Application System built using Java Sockets. Developed through integrating IP address of client and server.

## INVOLVEMENT

- Member of **BollyGators** dance troupe at UF and State level **Table Tennis** Player.