# Himavanth Boddu

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## EDUCATION

**Master of Science in Computer Science**, *University of Florida, FL*                                   Aug 2019 - May 2021
*Relevant Coursework*: Analysis of Algorithms, Advanced Data Structures, Distributed Operating Systems, Computer Networks, Advanced Machine Learning                                                                      **GPA: 3.81/4**

**Bachelor of Engineering in Electronics,** *RCOEM, India*                                               Jun 2013 - May 2017
*Relevant Coursework*: Object oriented Programming, Data Structures, Computer Networks                   **GPA: 8.12/10**

## EXPERIENCE

**Systems Engineer,** *Infosys Limited, India*                                                          Nov 2017 - Jul 2019
• Worked as a full stack web developer in Agile environment providing customizations to the banking application according to the client requirement receiving over 95% client satisfaction rating consistently for every quarter.
• Owned the Transaction information and Reports module of the Bank user application which included functionality like filtering records and downloading the reports. *(J2EE, JSP,HTML5, CSS3, JavaScript, jQuery, PolymerJS, JIRA, JUnit)*
• Coordinated regularly with QA team to identity frequent defects in previous releases and fixed key front-end and back-end application issues in User Maintenance and Reports module dropping the reported defects by 60%.
• Introduced automation in deployment process by building a CI/CD pipeline which optimized the deployment process by 98% *(Docker, Jenkins, ANT, Maven, shell scripting)*
• Mentored 6 peers and 8 new recruits through regular knowledge transfer sessions about the components of technology stack and deployment process.

**Systems Engineer Trainee ,** *Infosys Limited, India*                                                Jun 2017 – Nov 2017
• Developed a dynamic single page application using REST API endpoints from InfyRetail application implementing login, dashboard, filter functionality, item modal and similar item suggestion based on previous purchases.
(*Java, REST API, HTML5 ,CSS3, Bootstrap 4, JavaScript, AngularJS, Git, Maven, Jenkins*)
• Emerged as a high performer being in the top 5% among over 600 trainees, after undergoing training in object-oriented programming, data structures,  relational database management systems, and full stack web development for five months.
 (*Python, Java, HTML/CSS, JavaScript, MySQL, AngularJS*)

## PROJECTS (Portfolio link: https://himavanthboddu.netlify.app  developed using React and GraphQL)

**Academic:**
***Movie Recommender*** (*Vue, Python, HTML/CSS, Bootstrap, REST API)*                                  *Mar 2021*
• Implemented Movie recommendation system using combined result of collaborative filtering and content based filtering on MovieLens dataset of over 100,000 movies and displayed the results < 200ms.
***Peer-to-Peer File Sharing Application*** (*Java, object-oriented design, Multithreading*)            *Nov 2020*
• Coded a peer-to-peer file transfer system like BitTorrent by creating TCP connections using socket programming to 10 remote machines and distributed file of size over 2 GB as chunks, regulated by choke and unchoke mechanisms.
***Twitter Engine*** (*Elixir, HTML/CSS, Bootstrap, JavaScript, Phoenix*)                               *Dec 2019*
• Built a web interface for Twitter like application which supports over 10,000 multiple users allowing them to register, login, logout, tweet, re-tweet, subscribe to another user and view their tweets, search for a mention or hashtag using web sockets.
***Construction Company Job Scheduler*** (*Java, Data Structures*)                                      *Oct 2019*
• Created an application to track the progress of construction and switch the work dynamically based on priority using Min-Heap and Red-Black Tree without using built-in libraries.

**Personal:**
***Book Tracker*** (*React, Node, Express, MongoDB, HTML/CSS, Bootstrap, JavaScript, Apollo, GraphQL)*  *Feb 2021*
• Application which keeps track of the books read by me and displays details of the book along with all the other books read by me by the particular author.
***News Aggregator*** (*React, Node, Express, MongoDB, HTML/CSS, Bootstrap, JavaScript, Apollo, GraphQL)*  *Oct 2020*
• Made an aggregator which displays the top headlines from India and US news sources and on click redirects to original article.
***E-Commerce Website*** (*React, Node, Express, MongoDB, HTML/CSS, Bootstrap, JavaScript, Stripe, Firebase)*  *July 2020*
• Developed a retail website by creating a component-based UI and designed a NoSQL database to store data objects and integrated payments functionality.

## TECHNICAL SKILLS

• **Programming and Databases:** Java, Python, Elixir, Oracle DB, MySQL, MongoDB

• **Web development :** HTML, CSS, Bootstrap, JSON, XML, JSP, jQuery, NodeJS, ReactJS, Express, AngularJS, REST API, GraphQL

• **Other:** Git, Docker, Linux, shell scripting, Tortoise SVN, Agile Methodology, Hibernate, JBoss, Django, JIRA, Apache Tomcat 8, AWS Services, JUnit, Jenkins, Maven