

# 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, Spring Boot, JSP, HTML5, CSS3, JavaScript, jQuery, PolymerJS, JIRA, JUnit)
- Coordinated regularly with QA team to identify 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, Spring Boot shell scripting, Tortoise SVN, Agile Methodology, Hibernate, JBoss, Django, JIRA, Apache Tomcat 8, AWS Services, JUnit, Jenkins, Maven