

# 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. *(Tech Used: J2EE, JSP, HTML5, CSS3, JavaScript, jQuery, PolymerJS, JIRA, Junit testing)*
- 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 40 - 60%.
- Introduced automation in deployment process by building a CI/CD pipeline which saved 98% of the effort required for deployment. *(Tech Used: Docker, Jenkins, ANT, Maven)*
- 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. *(Tech Used: 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. *(Tech Used: Python, Java, HTML/CSS, JavaScript, Oracle SQL, 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, Scalable Application) Dec 2019

- Developed 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.

### Personal Use:

**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.

**Weight Logger** (React, Node, Express, MongoDB, HTML/CSS, Bootstrap, JavaScript, Charts.js) Dec 2020

- Application developed to log my weight after each workout and track the weight in form of charts.

**News Aggregator** (HTML/CSS, Bootstrap, JavaScript, REST API, JQuery) Oct 2020

- Made an aggregator which displays the top headlines from India and US and on click redirects to original article source.

**Amazon Clone** (React, Node, Express, MongoDB, HTML/CSS, Bootstrap, JavaScript, Stripe, Firebase) July 2020

- Developed a retail website by creating a component-based UI similar to Amazon and designed a NoSQL database to store data objects and integrated payments functionality using Stripe.

## TECHNICAL SKILLS

- **Programming and Databases:** Java, Python, Elixir, Oracle DB, MongoDB
- **Web development :** HTML, CSS, Bootstrap, JSON, XML, JSP, jQuery, NodeJS, ReactJS, Express, AngularJS, REST API, GraphQL
- **Other:** Git, Docker, Tortoise SVN, Agile Methodology, Hibernate, JBoss, Django, JIRA, Apache Tomcat 8, AWS Services, JUnit, Jenkins, Maven