

# HARSHA VARDHAN VYKUNTA

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## Experience

### **Software Engineer Intern, Aug – Dec 2018**

Hoonuit, Minneapolis, MN

**Technologies: Python, Django, Angular, AWS, Docker, Linux.**

Collaborate on forthcoming development consultations and product design with multifunctional teams including; business clients, data scientists, engineers, and project managers in order to construct company platforms. Originate, plan, implement, and maintain innovative and existing features of our SaaS-platform.

- Generate Docker containers for exclusive development and production environments.
- Integrated Credly's badging service to provide badges for the pathways.

### **Teaching Assistant for INFO 6350: Smartphones-Based Web Development, 1/2019 – 4/2019**

### **Teaching Assistant for INFO 6205: Program Structures and Algorithms, 1/2018 – 4/2018**

### **Teaching Assistant for INFO 5100: Application Engineering and Development, 9/2017 – 12/2017**

Northeastern University, Seattle, Washington

Provided instructional support to university professors in busy lab-based environment. Assisted students in the numerous design frameworks. Established course logistics and guided student code reviews and program tests. Facilitated solutions related to course issues for students.

- Guided students through **Java, Swift, IOS Development, Data structures and Algorithms.**
- Utilized Git to track changes in student's repositories and submit to faculty for review and grading.

## Core Technologies

Languages	Java (1.8), JavaScript (Es6), Python (3)
Databases	PostgreSQL, SQL Server, MongoDB, DynamoDB
Frameworks	Jersey, Django, Node.js, React, Angular
Other	HTML 5, CSS 3, Linux, AWS, Docker, Git, Jira

## Education

### **Master of Science in Information Systems – May 2019**

Northeastern University

GPA: 3.86/4.

Coursework includes of Application Development using Java, Data Structures and Algorithms, Network Structures and Cloud computing, Web Development, Database management, Smart Phone based app development and Blockchain development.

### ***Bachelor of Technology in Metallurgical and Materials Engineering - June 2016***

National Institute of Technology Rourkela - India

Relevant coursework includes of Data structures and Algorithms, C and C++ Laboratory, Computer Vision and Computer Architecture.

## ***Projects***

### ***Course service***

*Technologies: Java EE, Jersey, AWS, DynamoDB.*

Developed RESTful API services required for an application like blackboard or canvas for student information management system.

- The application is deployed to AWS using elastic bean stalk.

### ***Tweets***

*Technologies: JavaScript Es6, Node.js, React, Redux, MongoDB, Heroku.*

Developed and designed a lite version of twitter, that allows a user to post a tweet, follow, like and comment on other user's tweets.

- The newsfeed is displayed based on a ranking system.
- The application has nested comments and uses JWT authentication.

### ***E-commerce application***

*Technologies: Python, Django, jQuery, PostgreSQL, Heroku, AWS S3.*

The application provides persisting cart management for both Authenticated and Guest users, suggests based on previous purchases.

- Utilized Stripe's APIs for payment option management and MailChimp's APIs for marketing emails.
- The application is hosted on Heroku and uses AWS's S3 for serving static files and images.

## ***Awards and Acknowledgements***

### ***Teaching Excellence, 2017 – 2018 Academic year***

Northeastern University, Seattle, WA