

# HETALI SHAH GALA

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[Hetali\\_ShahGala@student.uml.edu](mailto:Hetali_ShahGala@student.uml.edu)

Actively seeking a full-time entry level opportunity as a Software/Front End Developer.

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## TECHNICAL SKILLS

**Languages:** Java, C, C#, HTML5, CSS3, JavaScript, SQL, Python, Bootstrap, Angular 4, Typescript, ReactJS, MEAN stack

**Software Tools:** JCreator, Eclipse, IntelliJ, Visual Studio, NetBeans, TextMate, Oracle 12c, Git, JIRA

**Operating Systems:** MAC OS X, Windows, Linux

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## PROFESSIONAL EXPERIENCE

**Symbotic LLC, Wilmington, MA**

September 2017 – May 2018

**Software Co-op, Pallet Building team**

- Working with aframe.js to create a physics engine for pallet building.
- Developing the MATLAB application for meat segregation for a retail giant.
- Developing and debugging C# application for Pallet Viewer.

**University of Massachusetts, Lowell**

January 2018 – May 2018

**Graduate Assistant**

- Worked with professor to grade graduate and undergraduate students for the class Computer Graphics

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## TECHNICAL PROJECTS

**Reservoirs**

Fall 2017

- Creating a web application to determine the amount of water present in a reservoir.
- Also creating a news blog, login, register, map page to execute the user-friendly application.
- Using Angular 4, MongoDB, Node.js, Express.js, Bootstrap, HTML5, CSS3, Typescript.

**Pi Spy – Facial Authentication System**

Spring 2017

- Built a web page using JavaScript, PHP, HTML5 and Bootstrap for facial authentication using Raspberry Pi 3.
- Made an MQTT secure connection to Subscribe and Publish.
- Used Python along with AWS IoT services.

**Random Forest Generator using Ensemble Classifiers**

Fall 2017

- Designed a random forest classifier that generates a fixed number of decision trees.
- Decision tree's predicative model was built from scratch using bootstrap samples from the original data.
- Used Python to implement the project.

**Distributed System Deadlock Analysis**

Fall 2016

- Implemented Ricart-Agrawal algorithm to handle critical section for system of 5 nodes.
- Analysed by varying the number of process/threads.
- The project was implemented in C.

**Chat App**

Spring 2015

- Created a chat application where multiple users could log in to communicate with each other.
- Used socket programming in Java.

**Online Bookstore**

Spring 2014

- Implemented a user login service to order the books present in the database of the bookstore.
- Used HTML5, CSS3, JavaScript and PHP.

**Designing and Querying Databases in SQL**

Fall 2016

- Designed queries to create tables as well as extract information from the database.

**Computer Graphics**

Spring 2017

- Created a webpage to implement the graphics using HTML5, CSS3, SVG, Canvas, JavaScript, and Three.js

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## EDUCATION

University of Massachusetts, Lowell

May 2018

**Master of Science, Computer Science, GPA: 3.51**

*Courses: ♦Algorithms ♦Operating Systems ♦Database ♦Internet of Things(IoT) ♦Computer Graphics ♦Ubiquitous Computing  
♦Internet and Web Systems ♦Data Mining ♦Advanced Database ♦Computer Science Research - Directed Study*

University of Mumbai, India

June 2016

**Bachelor of Engineering, Information Technology**