

# BHAVYA HARIDAS

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## EDUCATION

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### Northeastern University

Boston, MA

Master of Science in Computer Systems Engineering

Expected May 2020

Specialization in Internet of Things (IoT)

Relevant courses - Concepts of Object Oriented Design using Java, Data Networking,  
Program Structures and Algorithms

### Cochin University of Science and Technology

Cochin, India

Bachelor of Technology in Electronics and Communication

May 2015

## EXPERIENCE

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### FactSet Research Systems Inc.

Hyderabad, India

Software Engineer

June 2015 - June 2018

- Developed financial content collection software for 500+ internal clients following **Agile** methodologies.
- Refactored earnings call participants search service from Silverlight to **AngularJS** and **ASP.NET Web API**.
- Implemented activity tracking for client dispute resolutions in a **Classic ASP** web app written in **Visual Basic** and **JavaScript**.
- Improved data validation reliability by refactoring a web app used by analysts for recording financial calls metadata from **Classic ASP** to **ASP.NET** and using custom controls.
- Developed **ASP.NET** services in **C#** for utilizing Speechmatics automatic speech recognition technology in Factset's audio transcription tool which reduced audio transcript deliverable time to clients by 80%.
- Built **ASP.NET Web API** services using **C#** to manage data transfer across various stages of stakeholders workflows and for detailed workflow reporting of over 200 internal clients.
- Designed, developed and took ownership of a **C#** application to calculate productivity metrics of analysts from data stored in **SQL** tables which helped to decrease the time taken by client to calculate compensation by 40%.
- Integrated Windows Media Player into MS Word as a plug-in that helped audio transcribers reduce their turnaround time.
- Volunteered to work with Corporate Social Responsibility team, designing community service plan for the year.

### Yoyo Aerospace Pvt. Ltd.

Cochin, India

Engineering Intern

May 2014 - July 2014

- Implemented object tracking and position control for home automation using Arduino UNO microcontroller and **MATLAB** graphic libraries

## PERSONAL PROJECTS

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### Biological Growth Simulation

- Implemented Cellular Automata with UI using Swing in **Java** to simulate plant growth over a user-defined period.
- <https://github.com/bhavyaharidas/plant-growth>

### Vision-based Driver Assistance System

- Developed a vision-based lane tracking system used in autonomous cars.
- Implemented a real-time image processing system following Canny Algorithm using OpenCV on Beagle Bone Black (single board computer).

### Medicine Reminder with LCD display and Cellular connectivity

- Developed a reminder system for senior citizens using a PIC Microcontroller programmed in **C++**.

## SKILLS

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**Languages** : Java, C#, Visual Basic, XAML, C, C++, Python, SQL, UML

**Web Technologies** : HTML, AJAX, XML, CSS, jQuery, JavaScript, AngularJS, Web API

**Frameworks** : ADO.NET, Classic ASP, ASP.NET, Entity Framework, WPF

**Tools** : Eclipse, Visual Studio, Jenkins, Cruise Control, GIT, Perforce, IIS, NuGet, Citrix