

# BHAVYA HARIDAS

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## SKILLS

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**Languages** : Java, C#, VB, XAML, C, C++, Python, SQL, T-SQL  
**Web Technologies** : HTML, AJAX, XML, CSS, jQuery, JavaScript, Angular JS, Web API  
**Frameworks** : ADO.NET, Classic ASP, ASP.NET, Entity Framework, WPF  
**Tools** : Eclipse, Visual Studio, Jenkins, Cruise Control, GIT, Perforce, IIS, NuGet, Citrix

## EDUCATION

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**Northeastern University** Boston, MA  
Master of Science in Computer Systems Engineering **Expected May 2020**  
Specialization in Internet of Things  
Relevant courses - Concepts of Object Oriented Design using Java, Data Networking

**Cochin University of Science and Technology** Cochin, India  
Bachelor of Technology in Electronics and Communication **May 2015**

## EXPERIENCE

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- **FactSet Systems India Pvt. Ltd.** Hyderabad, India  
Software Engineer II **June 2015 - June 2018**
  - Developed and maintained proprietary financial content collection software for over 500 internal clients.
  - Refactored earnings call participants search service from Silverlight to **AngularJS** and **ASP.NET Web API**.
  - Designed, developed and took ownership of a **C#** application to calculate productivity metrics of analysts from data stored in **SQL** tables reducing review and compensation calculation time by 40%.
  - 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.
  - Provided support and enhanced **Classic ASP** web app in **VB** and **JavaScript**, with user-activity tracking.
  - Integrated Windows Media Player into MS Word as a plug-in that helped audio transcribers reduce their turnaround time.
  - Built **Web API** services using **ASP.NET** to manage and automate data transfers at various stages of stakeholders workflows, which also served as a workhorse for detailed reporting of over 200 internal clients.
  - Integrated Automatic Speech Recognition with FactSets audio transcription tool by developing **ASP.NET** services written in **C#** to request and process responses from Speechmatics (a cloud-based speech recognition technology provider) API thus decreasing analyst turnaround time further by 80%.
  - Followed **Agile** development cycle for all projects.
  - 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**
  - Simulated object tracking and position control using MATLAB.
  - Interfaced Arduino UNO with MATLAB.

## 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).