

Aswin Gopalan

Boston, MA 02215 | (857)-300-8266 | gopalan.a@husky.neu.edu | <https://www.linkedin.com/in/aswingopalan/>

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Education

Northeastern University, Boston, MA

Sep 2015 – Dec 2017

College of Computer and Information Science

Candidate for Master of Science in Computer Science, CGPA : **3.48 / 4**

Related Courses: Web Development, Algorithms, Fundamentals Of Computer Networking, Parallel Processing using MapReduce, Programming Design Paradigms, Database Management Systems, Managing Software Development.

Anna University, Chennai, India

Apr 2011

Bachelor of Engineering in Computer Science, CGPA: **8 / 10**

Related Courses: Data Structures, Object Oriented Programming with C++, Computer Networks, Software Engineering, Algorithms, Operating Systems

Technical Knowledge

Languages:	C#, Java, Python, Scala, JavaScript, Typescript
Frameworks/Technologies:	ASP.Net, MVC, Unity, Angular, JQuery, Node, HTML5, CSS3
Databases:	SQL Server, MySQL, MongoDB
Web Services:	REST, SOAP
Cloud Services:	AWS, EC2, EMR, S3, Azure
Tools:	Visual Studio, Eclipse, JIRA, TeamCity, TFS, SVN, GIT, Wireshark, Maven

Work Experience

Software Engineer Intern (R&D) – Genscape Inc.

Jun 2017 – Aug 2017

- Reduced delivery time of a critical business product by adding new features and enhancing existing features using **AngularJS**, **Typescript** and **.Net Core**.
- Developed Holographic Mixed Reality applications using **Unity** and **Microsoft HoloLens** for visualizing and analyzing real-time Data

Junior Software Engineer (Co-op) – Income Research & Management

Jun 2016 – Dec 2016

- Built a web dashboard for business using **Angular 2** framework and server side JavaScript for business users.
- Developed a custom solution using **C#** to provide a version control system from windows explorer.
- Migrated applications from In-house Infrastructure to cloud (Microsoft Azure) for improved security and storage.

Senior Software Engineer - CGI Group Inc.

Jul 2011 – Aug 2015

- Designed public websites using ASP.Net (C#, IIS) and JavaScript Frameworks (Angular, JQuery) for clients.
 - Developed services (REST, SOAP, Windows) to automate payment and order processing.
 - Participated in code and design reviews on code for applications developed.
 - Configured Continuous Integration and build configuration through Team City and Team Foundation Server.
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Projects:

CDN using Amazon AWS: Built a DNS server and a HTTP server to efficiently route client requests depending on location of request from the client. The System was deployed on 10 different EC2 Instances across the globe.

America Hikes: Built a hiking website that contains information and photos of thousands of recreation locations across United States.

PageRank of Wiki Data: Developed a MapReduce program to get Top 100 pages by calculating page ranks of all pages in Wikipedia.

Web Crawler: Developed a crawler in Python that automatically gathers and crawls documents on the web. It downloads all the HTML pages specified by an input URL, parses them and looks for more hyperlinks.