

# Adhithyakrishna Srinivasan

[akrishna.cse21@gmail.com](mailto:akrishna.cse21@gmail.com) • (716) 275-9093 • <https://www.linkedin.com/in/adhithya-krishna/>

## EDUCATION

<b>State University of New York at Buffalo</b>	Master of Science, Computer and Information sciences	August 2019 - December 2021
	Algorithms for modern computers, Object-oriented design, and analysis, Distributed systems, Software engineering concepts, Blockchain development.	
<b>KCT, College of technology</b>	Bachelor of Engineering, Computer science	May 2012 – May 2016

## TECHNICAL SKILLS

**Programming languages:** JavaScript (ES6), Java, Python, C++.

**Frontend Frameworks:** React, GraphQL, HTML, CSS, jQuery, React Native.

**Backend Frameworks:** Hadoop, J2EE, Spring boot, Node.js, Redis, Apache Solr, Apache zookeeper, Junit 5, AWS.

**Databases:** SQL, MySQL, MongoDB.

**Operating System:** Windows, Unix based – Linux and macOS

## WORK EXPERIENCE

<b>Skava Systems - Software development Engineer</b> - Tamil Nadu, India	June 2016 - June 2019
<ul style="list-style-type: none"><li>Achieved a <b>12%</b> increase in product search accuracy by engineering migration tool using the <b>Spring framework</b> to index around <b>2 million</b> product data from the <b>MySQL</b> database into <b>Apache Solr</b>.</li><li>Slashed response time by <b>20%</b> by optimizing the code and rerouting legacy rest APIs to fetch information from the <b>Solr</b> server instead of <b>MySQL</b> DB, reducing the recurring database calls.</li><li>Planned and employed a test-driven development approach to develop restful microservices using <b>Spring framework</b>, <b>MySQL database</b>, <b>OAuth2</b> for authentication and, and <b>Apache Solr</b> for caching.</li><li>Reduced page load time by <b>50%</b> from <b>4 seconds</b> to <b>2 seconds</b> by designing and developing jQuery plugins.</li></ul>	
<b>Skava Systems -Software Engineer Intern</b> - Tamil Nadu, India	January 2016 - June 2016
<ul style="list-style-type: none"><li>Engineered a configuration based modular web scraper using <b>Node.JS</b> and <b>Cheerio</b> to dynamically retrieve product information of up to <b>5 websites</b> and store them into a MongoDB database.</li><li>Created an end-to-end responsive wedding registry e-commerce website using HTML5, CSS3, and jQuery.</li><li>Followed WCAG 2.0 guidelines to convert an existing e-commerce website to <b>ADA</b> compliant websites.</li></ul>	

## PROJECT EXPERIENCE

<b>Amazon dynamo based key-value storage</b> – [Android studio, Java, Sockets, SQLite DB] - <a href="https://git.io/JUn1f">https://git.io/JUn1f</a>
<ul style="list-style-type: none"><li>Engineered a distributed key-value storage system capable of performing data partitioning, data replication, and automatic failure recovery while guaranteeing availability and linearizability for up to 5 parallel connections.</li></ul>
<b>Distributed messenger application</b> - [Android studio, Java, Sockets, SQLite DB] - <a href="https://git.io/JUn1r">https://git.io/JUn1r</a>
<ul style="list-style-type: none"><li>Created a distributed android chat application supporting up to 5 simultaneous connections providing FIFO, total ordering guarantees, and concurrent storage, retrieval of messages using <b>SQLite DB</b>.</li></ul>
<b>Tweet analyzer</b> - [Node.js, Solr, Java, JavaScript] - <a href="https://git.io/JUn08">https://git.io/JUn08</a>
<ul style="list-style-type: none"><li>Developed an End-to-end data analysis website using <b>JavaScript</b> and <b>D3.js</b> for data visualization. This team project focused on data collection (<b>20k tweets</b>), content ingestion, sentiment analysis of political rhetoric.</li></ul>
<b>Saavn stream</b> - [Node.js, React, Redis, Linux] - <a href="https://git.io/JUn0S">https://git.io/JUn0S</a>
<ul style="list-style-type: none"><li>An Opensource music streaming backend service built using <b>Nodejs</b> and <b>Saavn API</b>. Slashed data load time from <b>2 seconds</b> to <b>0.7 seconds</b> by utilizing Redis as a caching layer.</li></ul>
<b>Dev Journal</b> - [Go, JavaScript, HTML5, CSS3] - <a href="https://adhithyakrishna.github.io/articles">https://adhithyakrishna.github.io/articles</a>
<ul style="list-style-type: none"><li>Designed and developed a tech website to serve as a journal to track my learning and provide solutions to competitive coding problems.</li></ul>

## LEADERSHIP EXPERIENCE

**Virtusa** - President - Initiated and presided over a student tech club. Collaborated with a team of 20 students to create an online magazine focused on emphasizing the importance of web and device security to non-tech people.