

Aravindhan Venkituswamy

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Education

Master of Science in Computer Science - 3.4/4 Binghamton University, State University of New York, USA.	AUG 2016 – MAY 2018
Bachelor of Engineering in Electronics and Communication Anna University, Chennai, India.	JUN 2007 – MAY 2011

Technical Skills

Languages	C#, Java, C, Python, HTML5, JavaScript, CSS3
Databases	MongoDB, SQL Server, Oracle DB
OS	Linux, OSX, Windows
Tools	Kubernetes, Docker, Cordova, Twilio, Postman, Flask, Swagger, Razor Engine
Frameworks	Spring Boot, .NET 4.5, ASP.NET MVC 5, MEAN Stack, Ionic, AngularJs

Work History & Projects

Mobile Developer moHelp App, Columbia, SC, USA	JUL 2017 – AUG 2017
<ul style="list-style-type: none">Completed mobile application development internship based on Ionic and AngularJs.Designed and developed Twilio based SMS phone verification system.Developed geo background tracking, location identification, and monitoring system.Implemented custom designed Responsive UI for iOS, Android, and web platforms.Utilized node.js, angular.js, Mongo DB, Cordova, and Sass CSS.	
Software Engineer Tech Mahindra Limited, Chennai, India	JUL 2012 – MAY 2016
<ul style="list-style-type: none">Adopted Existing Business logic using RESTful Web API, which saves up to 70% cost & efforts.Worked on MS Azure Cloud with VSTS for automatic deployment in sprint based production environment.Implemented dynamic routing solution using Attribute Routing, so we can support all URI patterns.Constructed the core financial module where more than 5 million transactions are made every month.Implemented the SEPA (Single European Payment System) for 8 different European Cultural Settings.Developed dynamic XML file structures, where a user can design their own XML file format structures.Improved performance of numerous SQL procedures and functions with indexing & query optimizations.Implemented & Utilized dynamic statements, SQL profiler, SSRS, SSDT, and handled SQL migrations.	

Academic - Courses & Projects - Masters	AUG 2016 – MAY 2018
Adv Cloud Computing	
<ul style="list-style-type: none">Completed cloud-based application including data collection using various Docker-based micro services.Utilized Kubernetes (Google Cloud) for load balancing, scaling and communication between Dockers.Used Spring-boot, MongoDB, flask, python and swagger to develop various micro servicesImplemented Open stack tools like keystone, glance, nova, neutron, swift, and cinder.Worked on Open flow based open V Switches, POX, OVS-controller, Open Day Light.	
Data Mining	
<ul style="list-style-type: none">Developed Project regarding time-series data trend prediction, the application scenario in e-commerce.Utilized backward propagation Neural network and ARIMA to find accurate result in data prediction.	
Operating System	
<ul style="list-style-type: none">Done projects on Xv6 Operating System including paging, threading, and file system.Implemented various scheduling algorithms like FIFO, Round Robin, Lottery, and stride Scheduling.	
Design Patterns, Data Algorithm, Database, Programming Languages	
<ul style="list-style-type: none">Implemented various design patterns like Observer, factory, state, Behavioral, and Composite patterns.Utilized Java (JDBC), Oracle DB, VM 2016 (Virtual Box) and SQL developer in a project for DB course.Scored 100% in projects based on Java - Recursive-Descent Parser, Scheme, Haskell, and Erlang.	

Awards & Activities

- Bravo award, Pat on back & Letter of Appreciations are some of the recognition from Tech Mahindra.
- Activities include attending hackathons, event management & hobbies like cooking and gaming.