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Education

Master of Science in Computer Science – 3.4/4 Binghamton University, State University of New York, USA.	Aug 2016 – Present
Bachelor of Engineering in Electronics and Communication – 7.0/10 Anna University, Chennai, India.	Jun 2007 – May 2011

Technical Skills

Languages	Java, C#, C, HTML, CSS, JavaScript, Typescript
Frameworks	Node.js, Spring Boot, Angular, Bootstrap, Ionic, ASP.NET (MVC, Web API), JQuery
Tools	Kubernetes, Docker, Cordova, Twilio, Postman, Swagger, SOAP UI
Databases	MongoDB, SQL Server, Oracle DB
OS	Linux, OSX, Windows

Work History & Projects

Mobile Developer MoHelp App, Columbia, SC, USA	Jul 2017 – Aug 2017 Intern
<ul style="list-style-type: none">Completed mobile application development internship based on Ionic, Node.js, Angular, and Bootstrap.Developed geofencing, and location identification system based on Google Maps API.Designed and developed Twilio based SMS phone verification and messaging system.Implemented custom designed Responsive UI for iOS, Android, and web platforms.Utilized Node.js, Angular, Mongo DB, Cordova, HTML5, Sassy CSS, Typescript, JSON, and GitHub repository.	
Software Engineer Tech Mahindra Limited, Chennai, India	Jul 2012 – May 2016 Client: Plan International
<i>Plan systems web application</i> <ul style="list-style-type: none">Involved from the scratch to build a web application in lightweight MVC architecture.Provided L4 support acted as liaison between development team and the L3 client coordinator.Adopted Existing Business logic using RESTful Web API, which saves up to 70% cost & efforts.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.	
<i>Technologies & Tools Utilized</i> <ul style="list-style-type: none">Worked on MS Azure Cloud with VSTS for automatic deployment in the Agile-Scrum environment.Utilized dev tools like Postman, SOAP UI, TFS, Telerik UI, Crystal Reports, Visual Studio, and SQL Server.	
<i>Database Management</i> <ul style="list-style-type: none">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 & Other Projects

<i>Task Management System (Firebase serverless web app)</i> <ul style="list-style-type: none">Developed a server less application with firebase, Angular, Bootstrap, HTML, CSS, Typescript and SendGrid.Utilized firebase products are authentication, cloud firestore, cloud storage, hosting and cloud functions.	
<i>Weather Prediction Systems (Advanced Cloud Computing)</i> <ul style="list-style-type: none">Completed cloud-based application including data collection using various Docker-based microservices.Utilized Kubernetes (Google Cloud) for auto- deployment, load balancing, and scaling.Used Java, Spring-boot, MongoDB, and swagger to develop various microservices.	
<i>Data trend prediction (Data Mining)</i> <ul style="list-style-type: none">Developed Project regarding time-series data trend prediction in e-commerce, using R-Language.Utilized backward propagation Neural network and ARIMA to find the accurate result in data prediction.	
<i>Other Projects</i> <ul style="list-style-type: none">Utilized Java (JDBC), Oracle DB, VM 2016 (Virtual Box), Eclipse and SQL developer in a project for DB course.Scored 100% in projects based on Java - Recursive-Descent Parser, Scheme, Haskell, and Erlang.Implemented various design patterns like Observer, factory, state, Behavioral, and Composite patterns.Done projects on Xv6 Operating System including paging, threading, file system and scheduling algorithms.	