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# SUPREETH JAVALLI

<https://github.com/supreeth901>  
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## EDUCATION

<b>Arlington, TX</b>	<b>University of Texas at Arlington</b>	<b>May 2019</b>
<ul style="list-style-type: none"><li>Master of Science in Computer Science (GPA: 3.3/4)</li></ul>		
<b>Karnataka, India</b>	<b>Visvesvaraya Technological University</b>	<b>May 2015</b>
<ul style="list-style-type: none"><li>Bachelor of Engineering in Computer Science (GPA: 3.6/4)</li></ul>		

## EMPLOYMENT

<b>Graduate Research Assistant</b>	<b>University of Texas, Arlington, USA</b>	<b>July 2018 - Present</b>
<ul style="list-style-type: none"><li>Designed and Developed the official website of the Office of International Education - UTA (<a href="https://www.uta.edu/oie">https://www.uta.edu/oie</a>) using <b>PHP, JavaScript, Bootstrap, HTML5, CSS3, REGEX</b>.</li><li>Developed solutions for solving complex/unique problems related to <b>security vulnerability</b> management in the University's infrastructure.</li><li>Worked on Optimizing and tuning of batch jobs for timely generation of student data report which helped to improve the process <b>efficiency by 25%</b>.</li><li>Prioritized tasks and implemented tools using <b>Python, JavaScript, HTML5, CSS3, REST</b> to provide continuous analysis of security threat information.</li></ul>		
<b>Software Engineer</b>	<b>Tata Consultancy Services, Bangalore, India</b>	<b>August 2015 – September 2017</b>
<ul style="list-style-type: none"><li>Worked on full life cycle of product development: Design, Development, Test, Deployment &amp; Monitor.</li><li>Developed core application components using <b>Spring MVC, Hibernate ORM, JAVA, JSP, J2EE, Oracle</b> and UI resources with <b>HTML5, CSS3, Bootstrap, JavaScript</b>.</li><li>Developed <b>scalable REST</b> agile web application primarily with an AngularJS front end sitting atop a RESTful Java service architecture.</li><li>Designed and wrote <b>PL/SQL</b> scripts for batch processing and weekly CRON jobs.</li><li><b>Led a group of 4 members</b> for an automation Change Request, involving more than 12 daily data loading jobs.</li><li>Worked with customers on critical issues and solicited feedback on the existing products through <b>Agile</b> methodology.</li><li>Participated in <b>scrum</b> meetings, sprint planning, release and deployment.</li><li>Mentored new joiners in the team both in technical and interpersonal skills.</li></ul>		

## LANGUAGES AND TECHNOLOGIES

<b>Programming Languages:</b>	JAVA, C, C++, Python, C#, PHP
<b>Web Technologies:</b>	Spring Framework, Hibernate, REST, JavaScript, NodeJS, HTML5, CSS3, Bootstrap, AngularJS, AJAX, JSON, XML, Flask, SOAP
<b>Databases:</b>	Oracle, MySQL, MongoDB
<b>Cloud Technology:</b>	AWS (EC2, Memcache, RDS, S3, ELB, Auto-Scaling), Microsoft Azure
<b>Tools:</b>	JIRA, Windows, Unix, Git, Eclipse, PyCharm, Apache Tomcat, Maven, ANT, Android Studio, Jenkins, Visual Studio, RAD

## PROJECTS

### Cloud Photo Utility (AWS, EC2, RDS, S3, Auto scaling, Memcache, Apache JMeter, Python, Flask)

- Developed a utility where a logged in user can create an album, upload photos, rate and view them using Amazon AWS.
- Stress tested the application by loading the ELB and spurred multiple EC2 instances using Apache JMeter.

### Task Scheduler System (Red-Black Trees Data Structure, JAVA, Eclipse)

- Developed a JAVA application where Completely Fair Scheduler algorithm is used to ensure that each process/task which is active gets fair access to the CPU.
- Application involved the data structures like Red Black Tree and Heap (min heap) for implementing this algorithm and a comparison is made between Red Black Tree and Heap.

### A Car Rental Web Application (Spring MVC, JAVA, HTML, CSS, JavaScript, SQL)

- Designed and developed a web application for keeping track of information about a Car rental company and Customer management.
- Development process involved Requirement Gathering, Design, Code, Unit Test, System Test, Deployment and Monitor.

### Online Hackathon Tool (HTML5, CSS3, Bootstrap, JavaScript, AngularJS, NodeJS, MongoDB):

- Developed an online web application portal where user can register and submit their project and access essential information related to hackathon on any device.

## ACHIEVEMENTS & CERTIFICATIONS

- Received recognition award by TCS for outstanding performance throughout the year 2016 -17 in May 2017.
- Oracle Certified JAVA Professional.