**SUVADEEP CHAUDHURI**

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**EDUCATION**

**Master of Science in Computer Science** *May 2018*

University of Florida, Gainesville, FL *[GPA: 3.34/4.0\*]*

**Bachelor of Engineering in Computer Science** *May 2012*

University of Pune, Pune, MH, India *First Class*

**SKILLS**

**Programming Languages**: Java, C, C#, C++, PL/SQL, Python

**Scripting Languages**: VBScript, Windows Batch Scripting, PowerShell Scripting

**Web Technologies/Protocols:** JavaScript, HTML5, CSS, JSP, Servlet, RESTful, HTTP, TCP/IP, UDP, Socket programming.

**Tools and Operating Systems:** Git, Eclipse, Linux, Windows, XINU

**Products and Databases :** AWS S3, Cloudfront, Lambda, EC2,Oracle Hyperion Suite, Oracle Database 11g, MySQL

**WORK EXPERIENCE**

**Systems Application Developer Intern – Gallup,** Omaha, NE *May 2017 – August 2017*

* Designed a signed URL generator module using AWS Cloudfront, S3 and JAVA. Wrote Unit tests using JUnit and Mockito.
* Wrote middleware application code that parsed hierarchical JSON data from the data layer, design POJOs to be supplied to Handlebars/Mustache templates to populate the UI side for the analysis and reporting web-application.
* Created RESTful web-services using JAX-RS that would deposit files onto REDIS cache and AWS S3 buckets. Extensively used Java8 features like Lambda Expressions, Streams API, JAVA-Optionals in code. Worked with design patterns like Facade, Factory.
* Implemented Dependency Injection for modules. Utilized JAVA Futures for asynchronous processing of jobs.

**Software Engineer *- Accenture Services Pvt. Ltd.,*** Chennai, India *January 2013 – July 2016*

* Developed and managed Oracle Hyperion Financial Management (HFM) applications and reports for large Pharma clients.
* Managed data in multi-dimensional (Essbase), relational databases (Oracle DB) and HFM suite at the company consolidation level.
* Conducted and handled international client meetings and mentored associate software engineers in projects.

**Intern *- Blue Shores Solutions Pvt. Ltd.,*** Pune, India *October 2011 – June 2012*

* Developed a widget based Android Application: Voice recognition in ambient noise.

**KEY TECHNICAL PROJECTS**

***Petri net simulation*** (University of Florida)*January 2018-February 2018*

* Implementing an application to simulate the behavior of a Petri net model of computation.

***Analysis Engine for detection of Anti-microbial resistance Genes*** (University of Florida)*September 2017-December 2017*

* Implemented succinct de-Bruijn graphs in JAVA to detect AMR genes in long String input sequence reads.
* *Resources Used / Skills Gained:* **[Burrows-Wheeler transform, data compaction, Succinct data structures, de-Bruijn graphs]**

***Programming language and Compiler Design*** (University of Florida)*September 2017- December 2017*

* Implemented a compact programming language and compiler with support for arithmetic operations, logical operators, loops, conditions, expressions, a few image manipulations in Java.

***P2P File Sharing software -Bit Torrent Simulator*** (University of Florida)*January 2017-April 2017*

* Implemented a multithreaded P2P software as per described protocols to share files over a network.
* *Resources Used / Skills Gained:* **[Java, Computer Networking Concepts]**

***Internet of Things (IOT) – Smart devices using XINU*** (University of Florida) *September 2016 – December 2016*

* Designed Device drivers for sensors and actuators in XINU OS. Implemented Cloud-Edge-Beneath model of IOT implementation to trigger devices based on the sensor data. Created an interactive web-interface for client via the cloud node.
* *Resources Used / Skills Gained:* **[C, XINU OS, Java Servlet, Tomcat server, CEB IOT model, jQuery, Bootstrap, HTML, CSS]**

***Max-Fibonacci heap as Hashtag Counter*** (University of Florida) *September 2016 – December 2016*

* Designed an application to simulate the count of most occurring Hashtags in social media using a max-Fibonacci heap.
* *Resources Used / Skills Gained:* **[Java, Advanced Data Structures]**

***.Net Based Journal Entry Module (***Accenture)  *January 2016 – March 2016*

* Designed enhancements for the web based Journal Entry (JE) to create a robust report generator and check-layer that incorporated complex verification logic as per business rules. Optimized server space requirements by implementing redundancy checks.
* *Resources Used / Skills Gained:* **[JavaScript, CSS, HTML, C# .Net, PL/SQL]**

***Maintenance and Migration application*** (Accenture)  *July 2015 – November 2015*

* Developed a Java UI application that performed data and metadata maintenance for applications in the Oracle Hyperion Suite.
* The application resolved all the server/environment dependencies on the fly in and reduced down time by 50%.
* *Resources Used / Skills Gained:* **[Java, AWT, Spring, FDM VB-API, Shared Services and Essbase-Java API, MDX, SQL]**

***Access and Security Portal (Agile Project)*** (Accenture)  *December 2013 – April 2014*

* Designed and developed backend interface between staging and application in an Agile team that developed a multi-tier Web-app in 20 weeks. The service, on deployment enabled ~5000 users log in and request access to various applications within the HFM suite.
* *Resources Used / Skills Gained:* **[Java, Oracle DB, Hyperion APIs, SQL, PL/SQL, PowerShell, BAT, Jython, ODI]**