UTPHALA PUTTANANJAMMAGARI

417 Summit Ave, Apt 360, Arlington, Texas, USA | <u>utphala.p@gmail.com</u> | 206-747-6365 LinkedIn: www.linkedin.com/in/utphalaputtananjammagari

To seek an opportunity in a creative and challenging environment, commensurate with my skills to contribute to the organizational needs and to enhance my knowledge.

EDUCATION

• Masters' - Computer Science, University of Texas at Arlington, Texas, USA.

[May 2017, **GPA** 4.0]

• Bachelors' - Computer Science, Visvesvaraya Technological University, India.

[June 2010, **GPA** 3.5]

EMPLOYMENT

R & D Engineer

Synopsys India Pvt Ltd, India

(Dec 2011 – Jul 2015)

Lead Developer, SVDoc Document Generator Tool (similar to Java Doc)

- Collaborated with various VIP teams to design a well-structured document for VIP end-users, which generates 200+ VIP documents automatically (almost replacement for a Tech writer)
- Redesigned tool's parser (Lex and Yacc) to support complex system Verilog grammar
- Designed Parser for Verification IP Test Suite flow

Lead Developer, VIP Portal an internal tool (RCP product) to accelerate VIP development

- Created this product from scratch and developed it into a customer-deliverable tool.
- One place access to all VIP tools

R &D Engineer, Intern

Synopsys India Pvt Ltd, India

(Aug 2010 - Dec 2011)

- Developed the CGI module (C based) of the tool to create HTML content that best represents the VIP
- Designed an Automatic Report generation of the tool using Perl script.
- Involved in generation of VIP configuration information in XML format using configuration classes.

LANGUAGES AND TECHNOLOGIES

- C, C++, JAVA, HTML, XML, Perl, Shell, Python and Java script
- Eclipse, Android application development, MySQL, NoSQL, MongoDB, QT, GCC, GDB, Purify
- Cloud and Big data: Apache Hadoop, Amazon AWS, Google App Engine, Microsoft Azure, IBM Bluemix and Data mining

PROJECTS

- **Android Application:** UTA Parking Enforcement app allows enforcer to determining legality of a vehicle, recording status of vehicle for citation and accessing general information pertaining to a particular vehicle.
- Flickr like application using Google AppEngine: A web application allows multiple users to upload, remove and comment on images using NoSQL and Google cloud
- **Hadoop Map Reduce and Clustering:** This application allows user to analysis weather data (billions of tuples) over the period of time and uses Kmeans clustering algorithm to Map Reduce it.
- File Management System using AWS, Azure and Bluemix: Designed an application to manage multiple user files with different cloud services such as Amazon AWS, Microsoft Azure and IBM Bluemix. Analyzed the performance of the application with different cloud services using JMeter stress testing.
- **Software Design Patterns:** Designed a web based application (using Java servlets) UTA Maverick Advisor appointment which allows student to make an appointment with the advisors. The main focus is to analyze and different design patterns appropriate for the application design.

ADDITIONAL AWARDS AND PRESENTATIONS

- "Biometric Facial Recognition" at KNEW a National Level Technical Symposium for under graduates in March 2007
- "Smart Dust- The future of quantified world" at KNEW a National Level Technical Symposium for under graduates in August 2008
- Awarded "Customer Delight" award for turning around roadblocks for a key customer engagement
- Awarded "Rising to the Occasion" in recognition of developing a tool that accelerates the VIP development process.