

EMPLOYMENT

<b>OS Engineer, Intern</b>	<b>Intel Corporation</b>	<b>Summer &amp; Fall 2017</b>
Windows OS Server Platform Accelerators Team		
<ul style="list-style-type: none"><li>Designed and developed proof of concepts related to client and server software features of Intel Architecture platforms</li><li>Debugged critical software and systems issues</li><li>Developed software in C/C++ on Intel Architecture platforms and Windows Operating System</li></ul>		
<b>Software Engineer</b>	<b>Pubmatic</b>	<b>2013 - 2016</b>
Core AdServer Developer		
<ul style="list-style-type: none"><li>Involved in designing and implementing fault tolerant, scalable, distributed Real Time Bidding system.</li><li>Profiled and fixed applications for CPU, Memory and I/O bottlenecks.</li><li>Part of the OpenRTB and Pubmatic RTB implementation Team, Ad Quality and Revenue Boost team.</li><li>Worked extensively on Data structures like Trie, Bloom, Inprocess LRU cache &amp; Distributed Memcached.</li></ul>		

EDUCATION

<b>Gainesville, FL</b>	<b>University of Florida</b>	<b>Fall 2016 – May 2018</b>
<ul style="list-style-type: none"><li>M.S in Computer and Information Science, GPA: 3.67</li><li>Graduate Coursework: Distributed Operating systems, Analysis of Algorithms, Programming Language Principles, Computer Network Security, Software Engineering, Advanced Data Structures</li></ul>		
<b>Pune, India</b>	<b>University of Pune</b>	<b>2009 – 2013</b>
Pune Institute of Computer Technology		
<ul style="list-style-type: none"><li>B.E in Computer and Information Science, GPA: 3.63</li></ul>		

TECHNICAL EXPERIENCE

<b>Projects</b>
<ul style="list-style-type: none"><li><b>LL(1) Compiler</b> (2017). Implemented a LL(1) compiler in Java which compiles a custom programming language to java bytecode.</li><li><b>Detecting TLS misconfiguration in Android Apps using dynamic analysis : Univ of Florida</b> (2016). Developed a framework to analyze android apps at runtime in Python, solving the android app attribution problem. Detected client &amp; server side SSL/TLS security issues of apps and third party libraries, making them MITM vulnerable.</li><li><b>Cloud Edge Beneath Architecture Based IOT system : Univ of Florida</b> (2016). Implemented the Restful Edge layer interface in Golang and Distributed device drivers for sensors on BBB in Xinu. The Edge served as the Command and Control center for the IOT subsystem &amp; made the IOT devices hot pluggable &amp; dynamically configurable. Interface converts Rest API calls to retransmission and ACK supported custom MQTT UDP calls to IOT devices.</li><li><b>In Process Caching: Pubmatic</b> (2015). Implemented multi layer caching for Ad Servers, and their protocol in C. Increased AdServer platform throughput by 100%. Implemented evictions, TCP interface, Cache Dump, stripped locks for the LRU cache.</li><li><b>Web Bot Detection and Filtering: Pubmatic</b> (2014). Designed and Implemented 2 Realtime frameworks for protection against Web Bots and Crawlers in C using Trie &amp; Blooms. Contributed to 20% of the BOTs detected by Pubmatic in RTB.</li><li><b>Realtime Feedback based throttling: Pubmatic</b> (2016). Designed and Implemented a new throttling mechanism as part of a weekend hackathon based on realtime revenue and timeout feedbacks. The throttling kicks in when either our or partners platforms nears its peak capacity, maintaining systems revenue and availability.</li></ul>

Open Source Projects on GitHub

- Platform Game** (2016). Developed a Phaser.IO based platform game hosted on <https://ashishplatformgame.herokuapp.com/>
- Messenger** (2016). Implemented a realtime Messenger similar to the Facebook messenger in AJAX.
- Blogging** (2016). Implemented a simple blogging site hosted on <https://ashishadhavblog.herokuapp.com/index.html>.

ADDITIONAL EXPERIENCE AND AWARDS

- 2 Intel Recognition (2017):** By Intel Corporation.
- You Made the Difference Award: (2016)** By Pubmatic.
- Excellence in Service: (2015)** By Pubmatic.
- 1st Runner Up, Pubmatic Global Hackathon: 2015**
- Innovation and Impact Award: (2014)** By Pubmatic.
- 1st Prize ,C coding Competition: (2013)** By MIT, Pune..
- Event Head:** Impetus and Concepts, Coding Competition at PICT. Around 600 participants

LANGUAGES AND TECHNOLOGIES

- C, C++, Java, Golang, C#, .NET; MySQL; PHP; Python; VB10;
- HTML5, JQuery, JavaScript, Phaser.IO

- Visual Studio, GIT, Memcached, Varnish, Redis, WinDbg, VTune