Ganesh Kamath

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EDUCATION

08/2011 – 05/2013	**Master of Science (MS) in Embedded and Wireless Technology** **School of Information Sciences (SOIS), Manipal University** • **Master Thesis**: "Web Application Development using PHP & MySQL – Development of Python Script Generator", CGPA – 9.94 (on 10) • Secured University Gold Medal for the MS degree (2011-2013) • Secured Manipal University Scholarship
08/2007 – 05/2011	**Bachelor of Technology (B. Tech) in Electronics and Communication** **Amrita School of Engineering (ASE), Amrita University** • "Design of MEMS* based pressure sensors", CGPA – 7.6 (on 10) (MEMS*: Micro Electro Mechanical Sensors)

PUBLICATIONS

01/2012	"**Difference-based Non-linear Fractal Image Compression**", IJCA
03/2012	"**Randomized Algorithm for Scaling Factors in Fractal Image Compression**", IJCA
	(IJCA: International Journal of computer Application)

PRESENTATIONS

04/2012	**Study of USB Device Drivers under Linux** • Presented Paper at National Conference on Information Science (NCIS), Manipal
11/2012	**USB Device Drivers** • Conducted workshop on "USB Device Drivers", Open Lecture Presentation Community (OLPC), Manipal
01/2015	**Intel Edison Board Demo (3 Days), Bangalore** • 28th International Conference on VLSI Design • 14th International Conference on Embedded Systems
11/2015	Poster Presentation on **Device Emulation Through ACPI Override Mechanism** at **Software Professional Conference (SWPC)**, Bangalore
01/2016	**Intel RealSense Demo (3 Days), Kolkata – Best Booth Exhibit Award** • 29th International Conference on VLSI Design • 15th International Conference on Embedded Systems

TECHNICAL SKILLS

Operating Systems	: Windows 7/8/8.1/10, Windows Phone 10, Android, Ubuntu, Mint
Languages	: C, C++, C#, Java, Bash, Python, MatLab, Octave
Web Languages	: PHP, JavaScript, HTML, CSS
Databases	: MySQL, MSSQL

PROFESSIONAL EXPERIENCE

03/2016 – Now	**Software Development Engineer – Windows Driver Team, Intel** • Development of Intel® eXtreme Tuning Utility (XTU) that enables overclocking and performance tuning on Intel Processors
06/2013 – 03/2016	**Software Development Engineer – Software Tools Team, Intel** • Developed a tool to execute ACPI (ACPI: Advanced Configuration

and Power Interfaces) control methods from Operating System (OS)
- Ported System Profiling Tool to Android OS: The tool takes system snapshot on an Intel hardware device and displays information on different hardware & software components
- Developed a Platform Analyzer Toolkit. This tool can perform hardware and software measurement of various power consumption activities related to platform Buses, Devices, Battery, Graphics, Platform Sub-systems, Memory and Processor States
- Developed EFI* applications which help in measuring Battery status and Power and Performance Register details from the processor

(EFI: Extensible Firmware Interface)

06/2012 – 06/2013   **Internship at Intel**
- Developed a tool for automated end to end Client Software provisioning and a remote test execution framework to execute System validation test cases using XAMPP framework and Python
- Developed web-based Python Script Generator to enable generation of scripts for test cases implementation using web Technologies

(XAMPP – Cross platform Apache MySQL, PHP)

OTHER SKILLS

- One of the top 50 community volunteers from Intel India, 2012, 2015
- Intel Basketball Team Member– runner-up in Cadence Basketball Tournament, 2014
- Part of Intel IoT (Internet of Things) Makers Group – Bangalore, since 2015
  - o Organizer/Mentor in Intel IoT Roadshow Hackathon, 2015, 2016
  - o Organizer/Mentor at Google Developer Group (GDG) Code Pursuit Hackathon, 2015, Google UX Master class, Google Cloud Platform, 2016
- Technical Expert from India Site in Intel Education Service Corps (IESC) "47 in 1 Project" to enable 2 schools in Kenya with Computer training, Oct 17th 2015 – Nov 01st 2015