Rohith R

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Education	**BITS Pilani, India**
	Bachelor of Engineering (Hons.), Computer Science, 2017.
	Cumulative Grade Point Average (CGPA) : 7.145
	Fields of interest: Operating Systems, Computer Architecture,
	High Performance and Parallel Computing
Bachelor Thesis	**Simulation and Scheduling of Many-Core Architecture**
	Supervisor : Dr. Lam Siew Kei, Nanyang Technological University
	Research involves finding efficient scheduling algorithms taking into consideration the effects of difference in the performance of the cores and their reliability.
Work Experience	**Intuit IDC, Bangalore**
	Software Developer Intern
	Project: Enabling Drag-and-Drop in Multi-Window mode, android-N
	Collaborated with Intuit and Google engineers to get review of work
	State e-gov agency, Chennai
	Software Developer Intern
	Project: Track the bus timings, frequency and routes in real time and update the user using an app
Projects	**BITS-OS**
	Basic OS from scratch, for learning low level operations of OS
	Implemented VGA, keyboard, hardware clock drivers along with mini shell
	MIT-JOS
	MIT-6.828 Postgraduate OS Labs
	Implemented Paging, Memory and Process Management
	Improve efficiency of C++ Thrust Library
	Mentor : Dr. Santonu Sarkar — Collaborators : Siemens Research Lab
	Introduced the concept of shared memory as software controlled cache
	Improved efficiency and decreased LOC
	MIPS Architecture and Cache design
	Mentor : Dr. Biju K.R.
	Implemented VLIW architecture with 5 stage pipeline
	Studied and implemented advanced caches like Phase, Way-Prediction and Way-Halting caches

Teaching/ Mentoring	**Department of Computer Science, BITS Pilani** Teaching Assistant, Data Structures and Algorithms, Spring,2016 **Technology Incubator Programme, BITS Pilani** Project Mentor, Operating System from Scratch, Fall, 2015 Project Mentor, Intro. to Competitive Coding, Fall, 2014 and Spring, 2015
Skills	C++/C, Java (Android), Python, Cuda, Verilog, PHP & MySQL
Co-curricular	Vice President, ACM Chapter, BITS Pilani Goa Campus Developer @ Mobile App Club, BITS Pilani Goa Campus
References	Dr. Lam Siew Kei School of Computer Science Nanyang Technological University siewkei_lam@pmail.ntu.edu.sg, Dr. Biju K.R. Dept. of Computer Science and Information Systems BITS Pilani biju@goa.bits-pilani.ac.in, Dr. Santonu Sarkar Dept. of Computer Science and Information Systems BITS Pilani santonus@goa.bits-pilani.ac.in,