Amlesh Kashyap

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Education

2015	**National Institute of Technology**, *Patna, Bihar, Bachelors of Technology in Computer Science and Engineering - CGPA: 7.77/10.*

Experience

Jun,2015–Present	**Research/Project Assistant**, *Indian Institute of Science*, Bangalore, Karnataka. Mentor : Dr Sathish Vadhiyar
Jun,2016–Jun,2016	**Summer Student**, *Microsoft Research*, Bangalore, Karnataka. Summer School on IoT
May,2014–Jul,2014	**Summer Intern**, *Indian Institute of Science*, Bangalore, Karnataka. Mentor : Dr Gaurav Tomar

Publications

December 2016	**Asynchronous and Synchronous Models of Executions on Intel Xeon Phi Coprocessor Systems for High Performance of Long Wave Radiation Calculations in Atmosphere models**. Amlesh Kashyap,Sathish Vadhiyar,Ravi Nanjundiah,P.N. Vinayachandran Accepted for publication in the **Journal of Parallel and Distributed Computing**

Research Projects

June, 2016 - Present	**Hybrid Executions of the radiation routines in CAM5 - Evaluating asynchronous executions, proportional partitioning and pipeline executions**. As Research Assistant. Manuscript in Preparation, Mentor: Dr Sathish Vadhiyar
Oct, 2016 - Present	**G-Charm - An Adaptive Runtime System for Message-Driven Parallel Applications on Hybrid Systems.**. As Research Assistant, Mentor: Dr Sathish Vadhiyar
Jun, 2015 - Jul 2016	**Asynchronous and Sychronous Models of Execution for High Performance of Long-wave Radiation Routine in Community Earth System Model**. As Research Assistant, Mentor: Dr Sathish Vadhiyar, Dr Ravi Nanjundiah

Skills

Languages	C/C++, Fortran, Java, Python, MPI, OpenMP, CUDA, R, Charm++, LaTeX
DB, Web	MySQL, Oracle, HTML, CSS, Javascript
Script,Mobile	Bash, Android
Tools	Eclipse, Git, Netbeans, GNU Octave, GNU Plot, GNU Visit, HPC Toolkit, Intel VTune Amplifier, Microsoft Visual Studio, OpenCV, Vim, LiQUiD, Plotly