

Prashanth Dwarakanath

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EDUCATION	Masters in Computer Applications, Sikkim Manipal University, India. Bachelors in Computer Applications, Bangalore University, India.	September 2011 August 2006
EXPERIENCE	National Supercomputer Center <i>System Expert</i> Design, deployment and administration of the Earth System Grid Federation (ESGF) data nodes at NSC, and software development. <ul style="list-style-type: none">• Have worked on EU projects (CLIPC, IS-ENES2).• Experienced with working with, and leading multinational software development and deployment activities.• Team Lead for development of the installer and node-manager modules of ESGF.• Organized code sprints and training workshops for ESGF development and deployment.• Wrote APIs in Python, to serve usage statistics for ESGF systems, and report status of key services across the grid.• Development of plugin-based service to allow on-demand extraction of climate data from tape libraries and publishing them onto data portals, without bringing the actual data onto disk.• Recipient of the ESGF Award in 2014 and 2015, for outstanding contributions to the ESGF project.	Linköping, Sweden Jan 2013 - Present
	National PARAM Supercomputing Facility, C-DAC <i>Technical Associate</i> Administration of small and large HPC clusters, deployment and maintenance of resources on Indian national compute grid Garuda and EU-INDIA grid. <ul style="list-style-type: none">• Wrote an extensible framework for a customizable HPC resource scheduler in Python.• Developed tools for graphically analyzing cluster scheduling decisions in real-time.• Served as Certificate Authority for Garuda, Indian nation-wide compute grid.• Mentored summer trainees/interns.	Pune, India Aug 2007 -Nov 2012
SKILLS	Languages Parallel programming Grid technologies Cluster administration Storage Administration Others Areas of interest	C, Python, BASH shell scripting. MPI and shared memory programming with POSIX Pthreads and OpenMP. Globus, gLite, Gridway, AccessGrid, ESGF, simpleCA, myproxy, gridftp Torque, Maui, Gold ZFS, DPM. BIND, git, puppet, iptables, tripwire, ganglia, LAMP, WSGI Experienced T _E Xnician. Grid computing, Linux Security, HPC.
INTERESTS	Bicycling, blogging and listening to music.	