Prashanth Dwarakanath

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EDUCATION		
	Masters in Computer Applications, Sikkim Manipal University, India.	September 2011
	Bachelors in Computer Applications, Bangalore University, India.	August 2006

EXPERIENCE

National Supercomputer Center   Linköping, Sweden
System Expert   Jan 2013 - Present

Design, deployment and administration of the Earth System Grid Federation (ESGF) data nodes at NSC, software development and IT security.

- 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 module of ESGF.
- Organized code sprints and training workshops for ESGF development and deployment.
- API development in Python, task automation in Bash.
- Recipient of the ESGF Award for outstanding contributions to the ESGF project, in 2014 and 2015.

National PARAM Supercomputing Facility, C-DAC   Pune, India
Technical Associate   Aug 2007 -Nov 2012

Administration of small and large HPC clusters, deployment and maintenance of resources on Indian national compute grid Garuda and EU-INDIA grid.

- 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, India's national grid computing initiative.
- Mentored summer trainees/interns.

SKILLS

Languages	C, Python, BASH shell scripting.
Parallel programming	MPI and shared memory programming with POSIX Pthreads and OpenMP.
Grid technologies	ESGF, Globus, gLite, Gridway, AccessGrid, simpleCA, myproxy, gridftp
Web development	Flask, Django, Jekyll
Cluster administration	Torque, Maui, Gold
Storage	ZFS, DPM.
Administration	BIND, git, puppet, iptables, tripwire, ganglia, LAMP, WSGI
Others	Experienced TeXnician.
Areas of interest	Grid computing, Linux Security, HPC.

INTERESTS   Bicycling, blogging and listening to music.