India Storage Lab Internship Program

India Storage Lab Internship Program is a premier internship program targeted primarily towards MTech & PhD students interested in pursuing a career in the field of Storage Technologies. Students can join anytime of the year, and the projects can span from 2.5 months to 1 year. The areas of interest are:

Scale Out NAS (SoNAS), a high-end storage appliance is based on the industry hardened General Parallel FileSysten (GPFS) distributed filesystem and uses Data Direct Network (DDN) SAN controllers for high-performance data access. Its unique two-tiered architecture provides for independent horizontal storage scaling and vertical client scaling. Monitoring, fault tolerance and redundancy techniques allow for transparent server access failover. High-bandwidth, low-latency ten gigabit InfiniBand enable high-throughput data flow through the system, while allowing low-overhead synchronization and control flow within the system. Leveraging WAN replication features, SoNAS can provide high-performance data replication across geographically distributed sites. This makes SoNAS a unique storage back-end in any enterprise and/or cloud based offering.

The IBM System Storage San Volume Controller brings storage devices together in a virtual pool to make all storage appear as one logical device to centrally manage and to allocate capacity as needed; and one solution to help achieve the most effective use of key storage resources on demand. The IBM storage virtualization solution is SAN-based, which helps allow for a more open virtualization implementation. Locating virtualization in the SAN, and therefore in the path of input/output (I/O) activity, helps provide a solid basis for policy-based management. The focus of IBM on open standards means its virtualization solution supports freedom of choice in storage-device vendor selection. The IBM System Storage SAN Volume Controller solution is designed to:
- Simplify storage management
- Reduce IT data storage complexity and costs while enhancing scalability
- Extend on demand flexibility and resiliency to the IT infrastructure
- Increase application availability by making changes in the infrastructure without having to shut down hosts

IBM General Parallel File System™ (GPFS™) currently powers many of the world's largest scientific supercomputers and commercial applications requiring high-speed access to large volumes of data. GPFS provides online storage management, scalable access, and integrated information lifecycle management tools capable of managing petabytes of data and billions of files. Virtualizing your file storage space and allowing multiple systems and applications to share common pools of storage provides you the flexibility to transparently administer the infrastructure without disrupting applications, improving cost and energy efficiency, while reducing management overhead.

Qualifications required:
• 3.2 GPA or higher
• Candidates with global exposure are preferred
• Strong technical background in their respective area
• Leadership in guiding and/or mentoring junior engineers
• Team oriented working style
• Excellent communication skills in a global environment

> **"Meet an IBM representative on GT campus at the Study and Work Abroad Fair 10/11/2011 10am - 2pm, Bill Moore Student Success Center, President's Suite B, C, D"**

Degrees Needed: MS, MTech, PhD or Dual Degrees
Majors Considered: Computer Engineering, Computer Science, Electrical Engineering, Computer Info Systems, or related fields at a top technical university
Location: Pune, India
Application Procedure: Please send your resume to **indialab@in.ibm.com**
Please note that all jobs compensate according to the local market and will require work authorization. You will be contacted for next steps, if we determine a strong match.

IBM's Employment Policy: IBM is committed to creating a diverse environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age or veteran status.