

Objective			
To work in a team-oriented environment with passionate individuals that will enhance my creative, analytical and professional skills and help create an impact on peoples' lives using technology.			
Educational Qualifications			
2001-06	Dual Degree ( <b>M.Tech. &amp; B.Tech</b> ) in <b>Computer Science and Engineering</b>	<i>Indian Institute of Technology, Kharagpur</i>	CGPA 7.5/10.0
2000	CBSE <b>12th</b> Grade Examination	<i>DPS R.K. Puram, New Delhi</i>	82%
1998	CBSE <b>10th</b> Grade Examination	<i>Doon Public School, New Delhi</i>	85.80%
Professional Experience			
<b>Samuday Web Tech., Mumbai</b>		<i>Co-Founder, CTO &amp; Chief Developer</i>	October, 2010 to Feb, 2012
uniRow	An online meeting and collaboration solution. I designed and implemented this product. <b>Technologies:</b> RED5 media server, PHP(Drupal), Flex and OpenLaszlo		
uniLearn	A learning management system coupled with live lectures and lecture recordings. <b>Technologies:</b> Ruby on Rails, Sass and Coffeescript		
FB Videocalling	A video conferencing app for facebook. Written in <b>Drupal</b> using <b>Facebook</b> API		
Samuday Infrastructure	Setting up server monitoring, availability and scaling. <b>Tools used:</b> Monit, Amazon AWS API		
<b>LimeLabs, Noida</b>		<i>Senior Software Engineer</i>	August, 2009 - October, 2010
Limedomains.com	Website for purchasing and managing domains, hosting plans and SSL certificates. Worked on hosting provisioning, database scaling, security and deployment. <b>Technologies:</b> Ruby on Rails, BackgroundDrb		
Limedomains.com Infrastructure	Backend for LimeDomains.com consisting of hosting infrastructure. Worked on Virtual Machine provisioning, database scaling, availability, load balancing, security, deployment and backup. <b>Technologies:</b> Cobbler, Capistrano, Xen Hypervisor, Mysql NDB, SuExec and Chroot, Idirectord, heartbeat and GlusterFS		
<b>Gridstone Research, Mumbai</b>		<i>Software Engineer</i>	April, 2008 - July, 2009
Search Product	Search product is front end for serving data indexed by <b>Sphinx Search Engine</b> . Written in python using the <b>Django</b> web framework.		
GridManager	Gridmanager was developed to scale autoprocess application to process hundreds of thousands of documents using Map-Reduce scheme. This was coded in <b>Python</b>		
Autoprocess	Autoprocess is a document processing workflow which extracts data from tables and search tags using semantic net techniques. <b>Technologies:</b> Microsoft .NET and Python		
<b>Globallogic, Noida</b>		<i>Software Engineer(Associate Architect)</i>	July, 2006 - March, 2008
ActivePilot	GPS based navigation system for handhelds and mobile phones. <b>Technology:</b> .NET Compact Framework		
VSJira	VSJira is a <b>Visual Studio plug-in</b> which integrates Jira into the Visual Studio IDE. Used soap calls to communicate with JIRA. <b>Technology:</b> Microsoft .NET and C#		

## Technical Skills

Programming Languages: **Ruby, Python, Javascript, PHP, C#, C**

Platforms: **Linux, Mac, Windows, Embedded Systems(Intel 8051 and AVR microcontrollers)**

Web Frameworks/Tools: **Ruby on rails, Django, Node JS, Drupal, jQuery**

Cloud Technologies: **Amazon EC2, Amazon S3, Amazon AWS API**

Databases: **MySQL, SQLite, CouchDB**

Web Servers: **Apache, LightHTTPD, Node.js**

Version control: **SVN and GIT**

Other Tools: **Linux Virtual Server, Xen Hypervisor, GlusterFS, Wireshark Network Analyzer, Cobbler, Postfix, Dovecot, Capistrano, Webistrano, Sphinx Search Engine, bash, sed, awk, vi, grep, apache admin, apt-get etc.**

Other Skills: **Agile** methodology expert. Proficient in project management and code review tools such as **JIRA, Sourceforge and Crucible**

## Side Projects/Open source projects

**Shadabahmed.com** – Maintainer of the source code and upgrade of my personal site. Platform used – Ruby on Rails

**FBVideoChat** - Experimental **Plugin for Google Chrome** browser. It modifies facebook chat list and adds a video call icon next to each friend's name. You can have a group video chat using this. Developed in Javascript

**MultiConfig** – Gem for extending ActiveRecord to support multiple database config files.

**Sharedoc** - Experimental document sharing site where you can make presentations online. Developed in Ruby on Rails for front-end and Node.js (socket.io library) for the real-time communication over **Websockets**.

**Github** profile - <https://github.com/shadabahmed>

## Major Academic Projects

**Development of Low-Cost Robotics Platform with a robotics simulator** - M.Tech. Project (2006) (Prof. J. Mukhopadhyay, Department of Computer Science & Engg., IIT Kharagpur)

**Development of RoboSoccer Module** - B.Tech. Project(2005) (Prof. J. Mukhopadhyay, Department of Computer Sc. & Engg., IIT Kgp. and Prof. S.K. Ghosh, SIT, IIT Kharagpur).

## Relevant Courses

- Computer Networks, Operating Systems, Design & Analysis of Algorithms, Computer Organization and Architecture and Microprocessors and Microcontrollers.
- Algorithms in Bioinformatics, Probability & Statistics, Cryptography and Network Security, Information Retrieval.
- Cluster & Grid Computing, Internet & Web Technology, Information System Design.

## Extracurricular Activities and Awards

- Participated in various college level robotics competitions including Techfest(IIT Bombay) and Kshitij(IIT Kharagpur) .
- Led hall team to 2nd position in inter-hall technology exhibition.
- Academic Excellence award for getting 1st rank in school in 10th std. (1998).
- Awards in various science fests held at school level.