Curriculum Vitae

Objective:

To utilize my passion for computer science and innovative outlook to benefit society at large while serving as an example of success that will shape the future of our society. I am looking for a dynamic and learning platform which can provide a thrust to my professional career, skills and also to my inherent abilities.

Academic Details:

Degree/Certificate	Institution/University	Marks (%)
B.Tech(Computer Science Engineering)	USICT (GGSIPU), New Delhi-75	78.79
Class XII, CBSE	Holy Cross School, New Delhi-43	88.00
Class X, CBSE	Holy Cross School, New Delhi-43	89.60

Work Experience:

TEJAS NETWORKS-R&D Engineer-(7 SEP 2015 to present)

**Part of MPLS-TP team of Network Management Suite-NMS (TJ 5100), EMS (TJ 5500)
products by Tejas. Involves maintenance and further optimization of the products .**

- Tejas Networks is the only Indian company in computer networking and telecommunication equipment manufacturing based in Bangalore, India.
- Worked on Network Management System scalability, robustness and performance optimization of database and CPU under high load. It involves testing using tools like JMeter, Innotop, mtop and development of scripts that can give DB specific parameters (query time, wait time) like commercial tools.
- Currently working on NMS integration with GPON enabled Optical Network Terminal (ONT), which will be delivered under PM's Digital India initiative.
- Work on Software Defined Network (SDN) to be kicked off very soon.

NEWGEN SOFTWARE TECHNOLOGIES (2nd SEP 2013 to present)

Newgen Software is a leading global provider of Business Process Management (BPM), Enterprise Content Management (ECM), and Customer Communication Management (CCM) solutions .With a global footprint of 1000 installations in over 50 countries, the company is credited with large, mission-critical deployments at the world's leading banks, insurance firms, BPOs, healthcare organizations, government agencies, telecom companies, and shared service centres.

- At Newgen I was responsible for implementation of quality products like **OmniDocs, OmniScan, OmniFlow, BRMS, BAM, MDM** etc .These involve customization of tools at various levels (ranging from UI at front end to thread running at core).Our client banks in MEA-NIC Bank (Kenya), DFM (UAE), ADCB (Dubai) come up with new processes which are developed and deployed .Custom utilities made are developed as per the requirements of the client.
- Delivered online solution to NIC Bank, Kenya for account opening which is live on their official site.
- Part of the architecture review team for projects delivered by other teams.
- Managed a team of 6 developers for tab banking solution (ZapIn) for ICICI Bank.

Key Projects (in chronological order):

Node augmentation/Network Change Management- SACOFA Malasiya (Tejas Networks Ltd)
Node augmentation in existing network is a common operation in case of node failure. This involves change in underlying topology and change in configuration (inlabel /outlabel) at each node. After his feature was introduced user got one hand operation for this whole detailed operation.

L2 Traffic Status Management based on alarms- SACOFA Malasiya (Tejas Networks Ltd)
A feature to show traffic status (colour codes for end user) was required based on underlying alarms. Feature was implemented in the multithreaded environment of NMS where user could see tunnels and services colour coded in accordance with real time events and operations. Entire locking framework was altered and thread pools were added to fine tune the performance.

Online Account Opening-NIC Bank Kenya (Newgen Softwares Ltd)
Online account opening for NIC Bank, Kenya where start to end solution was provided to the bank. It involved GUI development for public users, Web service integration with IPRS, Blacklist check, T24,CRB system. An application was generated which was then introduced into our systems and integrated with core products at Newgen.Won 'Rising Star ' award for this project.The interface can be accessed on www.nic-bank.com *under Account Opening section.*

OCR integration for Full Text Search (FTS) in documents (Newgen Softwares Ltd)
Dubai Financial Market (DFM) required the documents to be deep searched based on Arabic text. Sakhr OCR engine provided by client was used to index the documents based on the text and its position in the document. It was a challenge to work with an unfamiliar language. The solution delivered was much efficient that FTS for English language.

Final Year Major Project
Ant Colony Optimization (ACO)-Simulation and application
Built a GUI based interpretation of ACO in which user can dynamically interact with the ants and find the shortest path between food-nest amidst various obstacles .Various environmental features like evaporation ,lining intensity were also included in later version. Based on swarm intelligence, it was used help the cab companies to route their cabs so that customers are picked as early as possible. **It uses a library (called MASON) built by George Mason University (GMU).**

Summer/Industrial Training Project (Indian Space Research Organization(ISRO))
Satellite image processing for compilation of Degradation/Desertification Atlas
Worked with scientist and engineers to process images from wide field sensors attached to satellites, to extract data .This data was cleaned, processed and then validated against ground data. The resulting Atlas was published in year 2016 for use by forest, weather departments and local municipal bodies. The data handling tools were developed & configured in the laboratories. The validation for satellite data against the data collected from surveys was done.

iCare - Microsoft Imagine Cup 2012
Official entry for Imagine Cup'12 which took my team of four to pre-national finals. A solution for building a 'Doctor in a Box' which will solve the problem of limited availability of good doctors in remote villages and help to revolutionize the medical care in India. The project is still under development and will be launched in near future. (See www.iamsiter.in for more info)

Minor Project
Nostalgia-The traveller's app
An android app to record the locations, tweets, photos and all feeds to give a travel log to the user at the end of the journey. This could be used as a reference for wannabe traveller. The journal can be used to attract travellers and give holiday packages and suggestions to customers.
A business plan for same was submitted in many competitions and was pitched multiple times.

Geo tag based image search and survey (IBM TGMC '14)
This project was our official submission for IBM TGMC'12.A web application using DB2, Websphere which aimed at building a search engine based on geotagged images. The user's location (lat & long) were used to suggest nearest hotels, clinics etc and conducting online surveys and polls. Secured 5th rank in India.

Extra-Curricular/Achievements:

Secured AIR 8 in ISRO Scientist-Engineers SC (CSE) Exam 2013

- Won 'Pat on The Back' award at Tejas Networks and 'Rising Star Award' at Newgen Softwares
- Head –Coordinator for Annual fest of GGSIPU ANUGOONJ-11.
- Was in Protocol team during Commonwealth Games'10 at Dhyan Chand Stadium.
- Active participant in Microsoft events like Dreamspark Yatra, Imagine cup.
- Was in the Advertising Team of college fest INFOX'10.
- Organized Doodle Design Event during INFOX'11.
- Served at Teach For India (NGO) for about 6 months.

linkedin.com/in/iamsiter   www.iamsiter.in   github.com/iamsiter   facebook.com/iamsiter