Curriculum Vitae

Personal Details:

Name:	**Jai Mashalkar**
Academic Status:	**Mtech , Computer Science, IIT Bombay**
Contact Number:	(M)+919930569541
Email ID:	jai.mashalkar@gmail.com

Academic Details:

S.No.	Class / Degree	Board / University	% / CGPA
1	B.E. (Hons) Electrical and Electronics	BITS Pilani	**8.06/10**
2	HSC-XII	Maharashtra Board of Higher Secondary Education	**83 %**
3	SSC-X	Maharashtra Board of Secondary Education	**92.26 %**

Technical Skills:

Programming:	C, C++, Java, SQL
Tools:	Rational Clearcase/Clearquest, Source Insight, Open ICE Debuggers, Qualcomm Proprietary tools –QXDM and QPST, MS Visual Studio, Eclipse IDE

Current Organization and Role: Software Engineer, Samsung India Software Operations, Bangalore.
Work Experience: 2 Years (July 2009 – June 2011)
Project: Commercialization of Phones for Verizon
Work Accomplished:

1. Implementation of gesture based unlocking for touch phone

- Porting and use of gesture recognizer library on Samsung Proprietary Platform.
- Use of third party library to draw smooth curves.
- Feature addition to Sketchpad application to support multiple sessions.

2. Implementation of database system for phonebook, and optimization of the contacts module

- Design of table structure for optimum speed and storage for phonebook.
- Replacement of all file system interactions with database interactions.
- Optimization of contacts module to reduce boot up time.

3. Porting and addition of functionalities to virtual keypad for touch phones

- Porting and feature addition to virtual keypad.

4. Experience at Samsung Digital Media Centre, Suwon, South Korea:

- Complete support for UI Widget Module for 2 handsets.
- Interaction with HQ engineers and testers to get issues clarified.

5. Development of mobile applications on various platforms:

- Pente on BADA Platform:
  - o Gaming application which is an advanced version of tic tac toe.
  - o Bagged a place in top 10 applications in Samsung Bada Application Development contest.

- o Successful upload to Samsung App Store, over 30,000 downloads.

- Eureka Formula Application on Android platform:
    - o Application for students to memorize formulae.
    - o Inbuilt formulae for some subjects.
    - o Flexibility to add any number of subjects, sub subjects and formulae.

Past Work Experience:

- LSI Logic Research and Development, Pune (January 2009-June 2009):
  Role: Intern
  Project: Feature Addition to firmware of SAS – SATA Bridge.
  A deep study of the firmware architecture was done and the method of returning error values was changed to be made programmable by the user. A document describing all the possible error values was made for the understanding of the user.

- TATA Power Company Limited, Trombay (May 2007-July 2007):
  Role: Intern
  Project: Study of overall working of power plant.
  Survey of the basic electrical systems at the Tata Power Company Limited, Trombay; including Generators, Transformers, Switchyard and the Load Dispatch Unit

Awards/Achievements:

- Secured 18th position in Mumbai in 10th standard SSC Examination.

- Runner up in National Talent Search Examination, 2003.

Projects Undertaken:

Project Title:	Security algorithm for Wireless Sensor Networks
Project Area:	Wireless Sensors
Organization:	Central Electronics and Engineering Reseach Institute(CEERI), Pilani
Guide:	Dr Upendranath Vanam
Duration:	August 2008- December 2008
Details:	Developed an efficient security algorithm for wireless sensor networks, which can combat security attacks of various kinds. It also possesses the ability to recover from some kind of attacks.

Project Title:	Design of *SOC for Wireless Sensor Networks*
Project Area:	Digital Design
Organization:	BITS Pilani
Guide:	Dr S. Gurunarayanan
Duration:	August 2008- December 2008
Details:	Digital design of the USART part of wireless sensor chipset.
Tools:	Mentor Graphics