

## EDUCATION

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- **Sri Jayachamarajendra College of Engineering**  
*Bachelor of Engineering in Electronics and Communications*

Mysore, India  
*Aug. 2002 – July. 2006*

## SKILLS

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- **Languages:** C++, C, python, bash
- **Platforms:** Linux(Windriver, Ubuntu), Unix(HP-UX, AIX, Solaris)
- **Tools:** CMake, GNUMake, gdb,
- **Testing Frameworks:** Squish, GoogleTest, Cucumber
- **Protocols:** CAN (Vehicle bus standard), FIX(Financial Information eXchange)
- **Others:** Test Driven Development, Agile, Multithreading, Qt, Mercurial, Git, sqlite, ComDB, Linux IPCs, awk, sed, valgrind

## EXPERIENCE

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- **John Deere**  
*Software Engineer*  
Des Moines, IA  
*June 2012 - Present*
  - **Gen4 CommandCenter™ Displays:** Develop software for displays of family of Autotrack guidance agriculture machines (like tractors) which farmers use for Precision Agriculture. Followed Agile methodologies with Test driven development.
  - **Defects Triaging:** Initial triaging/analysing of defects that are logged by farm testers to be assigned to right team. This needs a robust knowledge of the entire system and involves a lot of communication with various teams.
  - **Reprogramming Firmware:** Designed and developed Reprogramming module for embedded display which deals with installation and updates of Gen4 CommandCenter Display.
- **Bloomberg**  
*Software Engineer*  
Manhattan, NY  
*Apr 2011 - May 2012*
  - **STEP (Add on software for OrderManagementSystem):** Service for sending email, push and in-app notifications. Involved in features such as delivery time optimization, tracking, queuing and A/B testing. Built an internal app to run batch campaigns for marketing etc.
  - **Tool to test STEP:** Bulk data processing and injection service from Hadoop to Cassandra and provides a thin REST layer on top for serving offline computed data online.
- **Toshiba**  
*Software Developer*  
Bangalore, India  
*Aug 2006 - Feb 2011*
  - **Printer Firmware:** Develop firmware for Toshiba's vast range of Multi Function Peripherals(MFPs) in C++ and WindriverLinux.
  - **Onsite Coordinator:** Get involved with architecture team at client location and communicate the requirements to offshore team. Was in this role for about an year.
  - **Integration:** Integration of all three layers at the client location (Toshiba, Japan) by coordinating with all the teams.
  - **MFPUtility Libraries:** Develop algorithms/libraries specific to printers (like Magnification%, Drawer selection, ExitTray selection, Staple/Duplex judgment).
- **Mindtree**  
*Internship Project*  
Bangalore, India  
*Dec 2005 - Mar 2006*
  - **CVSD encode/decoder:** Develop SCILAB model for CVSD encoder/decoder (which is an Audio CODEC) as per Bluetooth CVSD specification and do the performance analysis to find the best parameters.