

INTERESTED IN **Embedded Systems, Robotics, Human Robot Interaction**

ONLINE COURSES	Introduction to Artificial Intelligence Grade 79.30%	October '12 - December '12 <i>Statement of Accomplishment</i>
-------------------	--	---

Tech Skills

Languages: C, C++, C#, Core Java, Python, Embedded C (8051/ARM)

Tools: MATLAB, L^AT_EX, KiCAD, Keil μvision, Cadsoft EAGLE, Flash Magic, Visual Studio, ROS, Aldebaran Choregraphe, git ([github](#))

Libraries: OpenCV, Kinect SDK, Nao SDK

Hardware Platforms: 8051, ARM, Arduino

PROFESSIONAL EXPERIENCE	Gade Autonomous Systems Pvt. Ltd. , Mumbai, India Research Intern September '12 - November '12 Developed a WPF application for a Gesture Based Picture Viewer using Microsoft Kinect
	Callbacks Pvt. Ltd. , Chandigarh, India Intern July '12 - August '12 Designed ready-to-manufacture GSM and Xbee shields for Arduino Uno using EAGLE PCB design tool

PROJECTS	V'Me: A Gesture Based Picture Viewer application September '12 - November '12 Developed a WPF application for a Gesture Based Picture Viewer using Microsoft Kinect. Implemented functionalities such as: Swipe Left, Swipe Right, Zoom In, Zoom Out, Panning, Moving mouse cursor and Switching to different folders. Code Demo
	Jerry: An Intelligent Maze-Solving Robot August '11 - March '12 Worked on the design and construction of an efficient, intelligent, small, autonomous robot that can solve any arbitrary maze by finding the smallest and/or fastest path to the destination. This was done as a part of academic requirement for the final year. Report
	Hand Gesture Controlled Robot December '12 Developed a vehicle which was controlled by the motion of hand using an accelerometer
	AC Mains Line Frequency Monitoring January '11 - March '11 Worked on design and construction of an electronic circuit for measuring the frequency of AC Mains power supply using PLL and take corrective measures if necessary.
	Other independent projects hosted on Github

- | | |
|---------------------|--|
| OTHER
ACTIVITIES | <ul style="list-style-type: none"> • Participated in a Group Dance at the Annual Social Gathering, <i>JallosH '12</i> • <i>One of four</i> participants to represent college at <i>Zonal Chess Competitions '11</i> • Placed 2nd in Inter-College Astronomy quiz, <i>Krutika '11</i> • <i>Technical Coordinator</i>, Association of Electronics and Telecommunication Students at KIT's College of Engineering, Kolhapur |
|---------------------|--|