Karan Jitendra Thakkar **Linkedin**

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EDUCATION

KIT's College of Engineering, Kolhapur, India
B.E., Electronics and Telecommunication Engineering **August '08 - July '12**
First Class with Distinction, Average grade 70.68%

ONLINE COURSES

Computing for Data Analysis **September '13 - October '13**
Grade 89.00% *Statement of Accomplishment*
Introduction to Artificial Intelligence **October '12 - December '12**
Grade 79.30% *Statement of Accomplishment*

TECH SKILLS

Languages: C, C++, C#, Core Java, Python, Pro*C/C++, SQL, HTML5, CSS3, Javascript, Embedded C (8051/ARM)

Tools: LaTeX, KiCAD, Keil μvision, Cadsoft EAGLE, Flash Magic, Visual Studio, Eclipse, git (github)

Frameworks: Sencha Touch, EnyoJS

Libraries: jQuery, Kinect SDK, OpenCV

Hardware Platforms: 8051, ARM, Arduino

PROFESSIONAL EXPERIENCE

Tata Consultancy Services Ltd., Pune, India
Assistant Systems Engineer **January '13 - Present**
Working as a Hybrid Mobile Applications Developer for TCS Mobility Solutions Ltd.

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

Callbackers 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

- *One of four* participants to represent college at *Zonal Chess Competitions* '11
- Placed 2^{nd} in Inter-College Astronomy quiz, *Krutika '11*
- *Technical Coordinator*, Association of Electronics and Telecommunication Students at KIT's College of Engineering, Kolhapur