

HARSHAL A. MODAK

Varun, B-104, DSK Vishwa, Off Sinhgad Road, Dhayari, Pune-411041.



harshalmodak@gmail.com

Date of Birth: 22-Oct-1989

www.harshalmodak.com

blog.harshalmodak.com

(+91) 9960494009

‘ My objective is to take a challenging and high performance oriented role in the field of Computer engineering and implement the expertise and experience gained in this field to develop complex projects with efficiency and quality ’

Education

Sept 2012-2013 **University of Nottingham** **Nottingham, UK**

First Class with Merit **Master of Science in Information Technology**

- Modules Studied : Computer Networks, Human Computer Systems, Cloud Computing, Computing Ethics, Software Engineering, OOP, User Understanding, Parallel and Distributed Computing, Computer Security, Ubiquitous Computing, Connected Computing at Scale.

June 2007-2011 **University of Pune** **Pune, India**

First Class **Bachelor of Engineering (Computer)**

- Modules Studied : Data Structures, Algorithm Designing, Operating Systems, Theory of Computing, Principles of Compiler Design, OOP, Advance Databases, Distributed Systems, Network and Information Security, Advance Computer Architecture, Data Communication, Management of Information Systems, Financial And Industrial Management, System Programming, Computer Graphics, RDBMS, Microprocessors.

March 2005-2007 **Secondary and Higher Secondary School Certificate** **Nasik, India**

- Modules Studied : Physics, Chemistry, Maths, Computer Science

Additional Skills

Proficient in English

Known programming languages : C, C++, C#, Core Java, Visual Basics, Assembly Language

Web Technologies known : HTML, Java Script, JSP, and ASP

Web Servers known : Apache, IIS

Database : MS Access 2010, SQL, DB 2 9.7, Oracle 10g

Operating Systems : Microsoft 2003, XP, Vista, 7 & 8, Linux

Tools and Packages : MS Office 2007, 2010, Rational Application Development, Net Beans 6.5, Photoshop, AppFurnace

Hardware Experience : Assembling, Network Configuration, Physical damage recovery, Server Maintenance and handling of all dynamic failures

Projects Executed

- **2012-2013 Information Retrieval From Internet Using Dynamic 3D Hand Gestures**
[MS Degree Project] It uses networking and database handling with image processing.
Environment: Net beans 6.1, Java 7, XML Parsing, Image Processing
Details: - A smart software which help people to extract useful information from the internet without repeating the same keyboard and mouse actions over and over again. Software uses dynamic real time 3D hand gestures to control different functions. The API provides with multiple functions for user from which he can select any function like weather update, stock information, news feed etc.

- **2010-2011 Gesture Based Robot Control (Hardware /Software Project) - Secured Distinction**
[Final year B.E. project]
Environment: Net beans 6.1, JDK 1.6, Microcontroller Programming, PIC Interfacing
For image capturing swing, API.
Details: - We propose a fast algorithm for automatically recognizing a set of gestures from hand images for a robot control application. Hand gesture recognition is a challenging problem in its general form. We consider a set of manual commands and a reasonably structured environment, and develop a simple, yet effective, procedure for gesture recognition.
- **2009-2010 Car Showroom Management System**
Front End: Visual Basics Back End: MS Access 2007/SQL
- **2008-2009 Billing System**
Front End: Java SE Back End: MS Access 2007

Activities & Awards achieved

- Year 2006 Successfully completed Adobe Photoshop Workshop. Nasik, India
- Year 2007 Stood First in Computer Assembling Workshop. Mumbai, India
- Year 2009 Event Organiser in Robotics competition organized in national level Pune, India
College event Invigor 09.
- Year 2009 Stood 1st in national level robotics event held at PVG College of Engg. Pune, India
- Year 2010 Stood 3rd in national level Autonomous robotics event held at VIIT Pune, India
College of Engg., Pune.
- Year 2010 Took 3 day workshop of robotics in Sinhgad College of Engineering. Pune, India
- Year 2010 Cleared C,C++ competition held at Sinhgad College of Engg., Pune STES, India
- Year 2011 Seminars delivered on Wireless USB, Touch Screen technology, Pune, India
Image Processing, Gesture Recognition.

Hobbies and Interests

- I love to play tennis.
- Swimming is my hobby.
- I mostly like to learn about emerging technologies and research in Mobile/Computer/IT field.
- I love to play with different gadgets and learn about their functionality.
- Playing around with Photos and Videos using editing tools is my hobby.
- I love to work with full dedication and motivation towards my work.

Harshal's Blog

- My personal opinions on trendy topics about Technology. Read my blogs share your views about the same. Let's help other people to understand the things in more precise manner! I believe "Blogging isn't about publishing as much as you can. It's about publishing as smart as you can." You can find my blog on blog.harshalmodak.com.

Social Profile

-  LinkedIn - in.linkedin.com/pub/harshal-modak/39/295/754/
-  Facebook - <https://www.facebook.com/harshal.modak>