

# PAVAN V SUKALKAR

MALE, 22 YEARS,

**Perm. Address:** 'Sawali Niwas', Near Tagalpallewar Hospital, Gandhi Nagar, Pusad,

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## ACADEMICS & ACHIEVEMENTS:

Std. X	N.D.E.M.S, Pusad, Maharashtra State Board	2008	90.61%	Awarded NTSE, MTSE (in IX class) scholarships
Std. XII	NEHSCN , Nagpur, Maharashtra State Board	2010	90.50%	Selected for fellowship under KVPY; Among top 1% from Maharashtra state in IPhO
B. Tech, CSE	IIT Jodhpur	2014	8.36	Awarded MCM scholarship since 2010-13

## PROJECTS:

<b>Intelligent Management Of Overspeeding Vehicles</b> <i>BTP August 2013-April 2014</i>	<ul style="list-style-type: none"><li>• Sensors measure speed and camera capture video of passing vehicles</li><li>• If any vehicle over-speeds, its VIN is captured</li><li>• Respective owner is informed of over-speeding via mail/ message</li><li>• <b>Supervisor:</b> Dr. K.R. Chowdhary, Dr. S.P.Tiwari</li></ul>
<b>Implementation of a Scheduler in Java:</b> <i>Software Engineering class project, Feb 2013- April 2013</i>	<ul style="list-style-type: none"><li>• Students who are already enrolled in database, can register their courses</li><li>• Graph coloring algorithm applied on multiple levels to resolve constraints of faculty, students time clashing and room occupancy</li><li>• GUI makes software more interactive</li><li>• <b>Supervisor:</b> Dr. Gaurav Harit</li></ul>
<b>Object Detection and Tracking:</b> <i>Artificial Intelligence class project , 1 month</i>	<ul style="list-style-type: none"><li>• Input image or video is converted to HSV format</li><li>• Contrast of image is adjusted such that object is visible in white color and rest in black color, thus detection and tracking is done by color</li><li>• <i>Contours are used for detecting object by shape</i></li><li>• <b>Supervisor:</b> Dr. K. R. Chowdhary</li></ul>
<b>Chat Messenger:</b> <i>Computer Networks, class project, 3 weeks</i>	<ul style="list-style-type: none"><li>• Implemented server and client interface in Java using socket programming</li><li>• Multiple clients connected to server in the network can do group chatting</li><li>• Clients can share files over network</li><li>• <b>Supervisor:</b> Dr. Venkat Ramana</li></ul>
<b>TECHNICAL SKILLS:</b>	<ul style="list-style-type: none"><li>❖ LANGUAGES: JAVA, C++, C, python</li><li>❖ Web Development: HTML, PHP, JavaScript, Ruby on Rails</li><li>❖ TOOLS: MATLAB, LATEX,</li></ul>

## EXTRA CURRICULAR ACTIVITIES:

<b>Responsibilities:</b>	<ul style="list-style-type: none"><li>• Coordinator, Public Relations, IGNOU 2013: Member of team of 15 students that managed invitation and sheltering of around 400 students from 20 colleges</li><li>• Volunteer in Tech and Cult fests of College</li></ul>
<b>Sports :</b>	<ul style="list-style-type: none"><li>• Member of college cricket team , played at Inter-IIT level 2012</li><li>• Completed Mini-Marathon (10 km) , ranked 41 among 70 participants</li><li>• Member of weight-lifting team in 1 year</li></ul>
<b>Special Achievements:</b>	<ul style="list-style-type: none"><li>• Won 1<sup>st</sup> prize in Intra-college Robotics and Programming contest (1 year) 2010</li><li>• Won 2<sup>nd</sup> prize in Intra-college Literature event</li><li>• Participated in Battle City and Whiz It contests at IIT Kanpur</li></ul>