

# G SHARATH

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<b>Education</b>	<b>B.E in Computer Science and Engineering</b> <b>PES Institute Of Technology, South Campus , Bangalore, India</b> <ul style="list-style-type: none"><li>Aggregate of 75.4% as of Final Year</li></ul> <b>High School</b> - SBM Jain College, Bangalore (PUC) - 90.5% <b>Secondary School</b> - St. Mira's High School (ICSE) - 83.9%	2014 - 2018  2012 - 2014 2000 - 2012
<b>Publications</b>	<ul style="list-style-type: none"><li><b>Sharath Guna</b>, "The Evolution of Video Codecs and the Future", RISE 2017, 3rd National Conference on "Recent Innovations in Science and Engineering", May 6<sup>th</sup>, 2017 , Bangalore. <a href="#">View</a></li></ul>	
<b>Technical Skills</b>	<b>Strongest Areas</b> - Algorithms, Image Processing, Data Structures <b>Languages</b> - Java, C, C++, Python, PHP, SQL, JS <b>Tools/Frameworks</b> - MySQL, SQLite, OpenCV, L <sup>A</sup> T <sub>E</sub> X, OpenGL , Android .	
<b>Projects</b>	All projects available on git : <a href="https://github.com/sharathguna">https://github.com/sharathguna</a> <ul style="list-style-type: none"><li><b>Face Authorization Surveillance</b> : Built a system app that detects and recognizes multiple authorized persons in real-time by employing the Eigen Faces algorithm using the HAAR Cascade Classifiers.</li><li><b>Accident Prevention for Influenced</b> : Worked as a team of 4 for building the afore mentioned prototype which detects unusual driver's head movements and captures iris data to send warning signal to the microcontroller.</li><li><b>Custom UNIX Shell</b> : Developed an Unix shell with custom commands by creating an own parser that parses and tokenizes the input and performs specific operations.</li><li><b>Young's Double Slit Simulation</b> : A Mini-project that simulates the infamous Young's Double Slit Experiment using OpenGL and SOX .</li></ul>	
<b>Relevant Courses</b>	Data Structures and Algorithms, Machine Learning and Pattern Recognition, Artificial Intelligence, Discrete Mathematics, Operating System, Computer Graphics, Unix Programming, Advance Computer Networks, Databases, Theory Of Computation and Automata, Software Engineering.	
<b>Achievements and Awards</b>	<ul style="list-style-type: none"><li>6th International Olympiad Of Mathematics 2013. (State rank : 110 )</li><li>Bagged Second Prize in "Debug IT" Intercollegiate Debugging Competition, Nov 2013.</li><li>Selected for Top 5 amongst 120 Teams in KLUDGE 24-Hour Hackathon, Apr 2017.</li><li>Secured First Prize in Senior Category at school level - Titan Genius Kidz National Arithmetic Championship 2009.</li><li>Secured 7th (Top 10) in Computer Science in India - QuizUp, Sept 2016.</li></ul>	
<b>Hackathons</b>	<ul style="list-style-type: none"><li>InGENIUS 24Hr 2015 : Built an Aptitude Android App "Triviality".</li><li>CODE2k16 24 Hr 2016 : Presented the Face Authorization Project.</li><li>init 12Hr 2016 : Built a Food Donate Android App "FeedTheNeed".</li><li>KLUDGE 24 Hr 2017 : Presented the Accident Prevention Project.</li><li>MANTHAN, BIT 2016 : Built an Android App "GreenBen".</li><li>InGENIUS 24Hr 2017 : Built a Face Emotion Recognition App.</li></ul>	
<b>Hobbies</b>	Writing on <a href="#">Quora</a> , Stock and Crypto Trading, Learning Cosmos, Trekking and Reading Classics.	
<b>Strengths</b>	An Autodidact , Quick Grasper , Brisk Learner, Acclimatized and Adaptive Person, Good Team-worker.	