G SHARATH

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Education	**B.E in Computer Science and Engineering**	2014 - 2018

PES Institute Of Technology, South Campus , Bangalore, India
- Aggregate of 75.7% as of Final Year

High School - SBM Jain College, Bangalore (PUC) - 90.5%　　2012 - 2014
Secondary School - St. Mira's High School (ICSE) - 83.3%　　2000 - 2012

Publications
- **Sharath Guna**, "The Evolution of Video Codecs and the Future", RISE 2017, 3rd National Conference on "Recent Innovations in Science and Engineering", May 6th, 2017 , Bangalore. View

Technical Skills
Strongest Areas - Algorithms, Data Structures,Image Processing and Computer Networks.
Languages - Java, C, C++, C#, SQL, Python, PHP, JS.
Tools/Frameworks - OpenCV, OpenGL , Android, MySQL, SQLite, .

Projects
All projects available on git : github.com/sharathguna

- **Cloud Security Java Application** : Built this undergrad project using Java Swings. The application focuses on simulation of a highly secure Cloud application using Homomorphic Encrytion Scheme.
- **Face Authorization Surveillance** : Built a system application that detects and recognizes multiple authorized persons in real-time by employing the Eigen Faces algorithm using the HAAR Cascade Classifiers.
- **Custom UNIX Shell** : Developed an Unix shell with custom commands by creating an own parser that parses and tokenizes the input and performs specific operations.
- **Young's Double Slit Simulation** : A Mini-project that simulates the infamous Young's Double Slit Experiment using OpenGL and SOX .

Courses
Data Structures and Algorithms, Operating System, Computer Graphics, Unix Programming, Machine Learning and Pattern Recognition,Artificial Intelligence,Discrete Mathematics, Advance Computer Networks, Databases, Theory Of Computation and Automata, Software Engineering.

Hackathons
- **InGENIUS** 24Hr 2015 : Built an Aptitude Android App "Triviality".
- **CODE2k16** 24 Hr 2016 : Presented the Face Authorization Project.
- **init** 12Hr 2016 : Built a Food Donate Android App "FeedTheNeed".
- **KLUDGE** 24 Hr 2017 : Presented the Accident Prevention Project.
- **MANTHAN**, BIT 2016 : Built an Android App "GreenBen".
- **InGENIUS** 24Hr 2017 : Built a Face Emotion Recognition App.

Achievements and Awards
- 6th International Olympiad Of Mathematics 2013. (**State rank : 110**)
- Bagged **Second** Prize in 'Debug IT' Intercollegiate Debugging Competition, Nov 2013.
- Selected for **Top 5** amongst 120 Teams in KLUDGE 24-Hour Hackathon, Apr 2017.
- Secured **First** Prize in Senior Category at school level - Titan Genius Kidz National Arithmetic Championship 2009.
- Secured **7th (Top 10)** in Computer Science in India - QuizUp, Sept 2016.

Hobbies
Writing on Quora, Stock and Crypto Trading, Learning Cosmos, Trekking and Reading Classics.

Strengths
An Autodidact , Quick Grasper , Brisk Learner, Acclimatized and Adaptive Person, Good Team-worker.