



SHRIRAM R

Course : B.E. (Hons.), Computer Science, 2019  
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CGPA : 7.34



ACADEMIC DETAILS					
COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	% / CGPA	YEAR
CLASS XII	Science	The Suguna Pips School	CBSE	91	2014
CLASS X	Science	Riverside Public School	ICSE	90.86	2012

ELECTIVES / TECHNICAL PROFICIENCY	
Subjects / Electives	Data Structures and Algorithms, Design Analysis of Algorithms, Operating Systems, OOPS, Computational Geometry, Information Retrieval and Recommendar System, Machine learning, Machine learning 2, Microprocessor, DBMS, Compilers
Technical Proficiency	Image Processing, Web Development, Machine Learning, Recommender Systems, Database Systems, Object-Oriented Programming (OOP), C Programming, C++ Language, Java, Python3, Version Control,

SUMMER INTERNSHIP / WORK EXPERIENCE	
Software Development Engineer (SDE), Amazon India Software Developer, ILoads	May 2018 - Jul 2018 May 2017 - Jul 2017

PROJECTS	
<b>NBot Latency Measurement - Multimedia Computing</b> I was assigned the project of determining latency of various actions in-app, which where recorded using screen capture. One major problem being faced was flickers in the video. I had implemented various algorithms to overcome this issue and also improved the execution time by a factor of 15 to 20.	May 2018 - Jul 2018
<b>Block Chain in IOT Security - Cryptography</b> This project aimed at improving the security of smart houses, by the implementation of smart contracts and proof of work (POW). It was build in python from scratch and live demoed using multiple Raspberry Pi.	Jan 2018 - May 2018
<b>Computational Geometry Library - Computational Geometry</b> This project aimed at implementing a collection of algorithms. This included various computational geometry algorithms like Jarvis March, Graham Scan, Kirk Patrick, Line Sweep, Triangulation, Y-Monotone Partition and Largest Empty Circle given points.	Jan 2018 - May 2018
<b>OCR - Machine Learning and Image Processing</b> ILoads was manually entering data from the Drivers License, PAN card, Aadhar card being uploaded by its costumers to their database. I worked on automating this using Image Processing to extract the locations of text in the card and then using machine learning to recognize them.	May 2017 - Jul 2017
<b>Facial Recognition - Computer Vision</b> Facial Recognition typically uses Convolutional Neural Networks which are computationally costly, this project aimed at decreasing the necessary computations while maintaining accuracy using the implementation of Local Binary Patterns Histogram (LBPH).	Jan 2018 - May 2018

AWARDS AND RECOGNITIONS	
ACM ICPC Regionals   ACM Qualified for ACM ICPC Regionals	Sep 2017

EXTRA CURRICULAR ACTIVITIES	
<b>Chess</b> Am a FIDE rated chess player. Have represented India in the Commonwealth games held at Delhi. I play for the college team and have won 3 medals.	
<b>Volleyball</b> I play for the college team.	

COMPETITIONS	
<b>Commonwealth Games</b> Represented India in Chess at the Commonwealth Games 2000.	

TEST SCORES		
TEST NAME	DATE OF EXAM	SCORE
BITSAT	May 14, 2015	Score: 373/450

SCHOLARSHIPS	
FIITJEE Scholarship For good performance in JEE	Apr 2015