

# KRISHNA SUNDAR

Undergraduate Senior

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S13, B-Block, Race View Apartments  
13, Cart Track Road, Velachery, Chennai-42

## INDUSTRIAL EXPERIENCE

Software Development Engineer Intern, Amazon

May – July '14

Worked in Kindle format conversion of .doc and .docx for Tamil and complex Microsoft Word formatting options.

## EDUCATION QUALIFICATION

Undergraduate (2011-2015)	BE Computer Science and Engineering, Madras Institute of Technology, Anna University CGPA – 7.93/10
HSC Exam 2011	DAV Gopalapuram, Chennai Percentage – 96.6
Matriculation 2009	Alpha Matriculation Higher Secondary School, Chennai Percentage – 96.2

## ACADEMIC PROJECTS

Data Structures and Algorithms	<ul style="list-style-type: none"><li>Designed a Tic-Tac-Toe game – with increasing levels of difficulty – designed each level by enhancing AI using Minimax Algorithm – increasing its efficiency using alpha beta pruning.</li><li>Designed simple terminal level games like snake in a maze, Maze Search, a simple snake and ladder game and other small 2D games and designed some simple 3D endless runner games using unity engine.</li><li>Created a T9 Dictionary in Terminal Level.</li></ul>
Web Technology	A Tic-Tac-Toe game in a simple web page – UI using JavaScript – simple php dynamic scripting supported at backend by MySQL – to store scores and winners.
Machine Learning on Big Data	Currently working on Dynamic Document Clustering using similarity measures in Big Data, which recommends the customers, all relevant documents based on his tastes and interests.

## ACHIEVEMENTS

Sports	Member of the School Badminton and Chess Team.
Co-curricular Achievements	<ul style="list-style-type: none"><li>Awarded the student Innovative Project award from Center for Technology Development and Transfer for my work on “A Trust Enhanced Recommender Systems For Medicare Applications”.</li><li>Annual general proficiency prize winner in my school.</li><li>Amul Vidyashree Award for being school topper in Matriculation Exam.</li></ul>
Extra-curricular Activities	<ul style="list-style-type: none"><li>Participated in State Level Math Olympiad.</li><li>Member of College Club Computer Society of MIT, MozMIT.</li></ul>
Competitive Programming	<ul style="list-style-type: none"><li>Regular Participant of all online competitive programming competitions and have 2500+ rating in Codechef, ranked 1500 at international level in SPOJ, ranked 1100 at national level in TopCoder.</li><li>Won several prizes at many National Level Technical Symposiums</li></ul>

## SKILLS AND INTERESTS

- |                             |                                                                                                                                                                                                                                |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Languages</b>            | <ul style="list-style-type: none"><li>▪ Proficient in C and C++, beginner in Java, JavaScript, familiarity in php and MySQL .</li></ul>                                                                                        |
| <b>Technologies / Tools</b> | <ul style="list-style-type: none"><li>▪ Worked with Aspose API for format conversion, JSoup libraries for parsing HTML documents and familiar with unity engine .</li><li>▪ Vim Text Editor and Git version control.</li></ul> |
| <b>Interests</b>            | <ul style="list-style-type: none"><li>▪ Data Structures &amp; Algorithms</li><li>▪ Machine Learning</li><li>▪ Graph Theory</li><li>▪ Problem Solving.</li></ul>                                                                |

Quick and passionate learner, fast thinker, dedicated competitive programmer .