

# Yash Raj Sarrof

**Overview :** 3rd year student pursuing an under graduate course in Computer Science Engineering. Inclined towards research in fields pertaining to Artificial Intelligence. Have had exposure for the same through internships and projects



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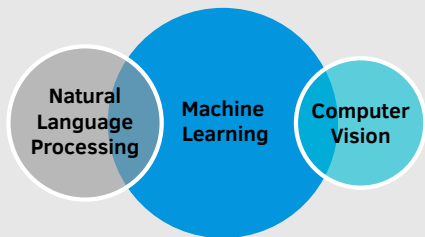
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## Technical Skills

### Overview



### Programming

0 LOC —————> 1000 LOC

C • Python

Java • C++

HTML • SQL •  $\text{\LaTeX}$

## Education

**B.Tech, Computer Science** (GPA: 8.97)  
Manipal Institute of Technology  
2016 - 2020 | Udupi, India

**Class 12th, WBCHSE** (Percentage: 83.2)  
St. Lawrence High School  
2004 - 2016 | Kolkata, India

## Experience

- June 2018 - **Android App Developer** Pristine Travels Pvt Ltd  
July 2018 Designed an Android application for a mid sized travel agency from scratch.
- May 2018 - **Research Intern** VISINT Health Care Pvt Ltd  
June 2018 Worked on a project to extract minutiae points present in fingerprints. The positions of all these points were mapped relative to a scale, and an attempt was made to come up with a new metric to define the similarity between fingerprints
- Oct 2017 - **NGO Internship** Reaching Sky Foundation  
Nov 2017 Work flow included conduction of surveys, writing blogs, social media marketing and fund raising, all for the cause of creating schools for underprivileged children.

## Projects

- Sept 2018-present **Develop semantic knowledge base for a pharmaceutical database**  
•Ensure consistency between local repositories where data is modified to adhere to state protocols, with the global repository.  
•Designed a Word2Vec model for estimating the semantic similarity between two sets of documents, for the same.
- Mar 2018 **Alumni Portal**  
•A simplified Alumni-student relations portal, where the student can discover alumni and get their contact details, based on job field, company, position all across the world.  
•Implemented using Python and Sqlite
- Indefinite **Minor Projects**  
•*Sudoku Solver* - uses Image Processing to detect a sudoku puzzle, and displays the correct solution for the same on doing so.  
•*Tic-Tac-Toe* - uses Alpha-Beta pruning to make an unbeatable AI. Has both single and double player modes, made using Tkinter in Python.

## Research

- Aug 2018-Present **Image Comprehension Generator** Faculty advisor - Mrs. Archana P.K  
Generate a textual representation for an image, detecting and providing as much detail as possible, which in turn is used for making multiple choice based questions

## Positions of Responsibility

- Oct 2016 - present **Core Committee Member** ACM, Student Chapter Manipal  
Conducted programming contests and workshops in different fields related to computer science.
- Feb 2018 - Mar 2018 **Mentor** BootCamp Manipal  
Structured a course suited for students from non-engineering backgrounds focused on automation using Python, was a personal mentor to a few students.

## Certifications

- Deep Learning Specialization : 5-courses offered by deeplearning.ai
- Applied Machine Learning : offered by University of Michigan on Coursera
- Blockchain Foundation for Developers : offered by IBM on Coursera