Sarvasv Arora

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EDUCATION

MCGILL UNIVERSITY
Freshman - Computer Science and Statistics
September 2020 - Present | Montreal, Canada
Faculty of Arts
James McGill Scholar
CGPA: 4.0

BANASTHALI PUBLIC SCHOOL
12th Grade - AISSCE (CBSE)
May 2020 | New Delhi, India
Science Stream (Physics, Chemistry, Math, Computer Science)
School Topper
Percentage: 96.6
Grade: A

LINKS

Website:// **sarvasvarora.me**
LinkedIn:// **sarvasvarora**
Github:// **sarvasvarora**
Twitter:// **sarvasvarora**
Email:// **sarvasv.arora@mail.mcgill.ca**

COURSEWORK

Programming Languages and Paradigms
Honors Algorithms and Data Structures
Probability
Honors Applied Linear Algebra
Introduction to Computer Systems
Introduction to Data Structures
Introduction to Software Systems
Calculus 3 (Multivariate Calculus)
Algebra 1
Honours Analysis 1

SKILLS

PROGRAMMING
Python • C/C++ • Java • Tf/Keras
PyTorch • HTML • CSS • Javascript
Bootstrap • LaTeX • Git/GitHub

LANGUAGES
English • Hindi

SPORTS
Cricket • Soccer • Badminton

OTHER
Team Management • Communication • Reasoning and Analytic Thinking • Time Management • Art and Craft

EXPERIENCE

MCGILL AI SOCIETY | MAIS 202 Accelerated ML Program
January 2021 - Present | Virtual
- Selected as one of the ≈ 30 students in the intensive, ten-week course.
- Final project: TBD

NEW YORK ACADEMY OF SCIENCES | Junior academy
December 2019 – December 2020
- Selected as a Junior member to cohort of around 1500 students from over 20,000 applicants.
- Worked in teams to propose solutions to annual challenges.

CODING4KIDS | Curriculum development and public outreach
August 2019 - September 2019 | Remote
- Created several chapters in the Python course taught to over 200 US students.

PROJECTS

PathLink | BOLT McGill Case Competition
- Machine Learning powered web app that allows automated group formation based on students' preferences like skill level, time-zone, areas of interest, etc. almost instantly, thereby saving professors' time and maximizing group chemistry.
- Built using Python, Streamlit and includes visualizations made using Plotly to analyze the data.

WordC | Side Project | WIP
- A command line application that integrates various python libraries to enable creation word clouds via the command line. Currently only supports displaying the word cloud in iTerm2 (can be saved to disk too).
- Further development goals include adding ability to scrap websites (given URL) and make word cloud out of that, and integration of more terminals.

OTHER PROJECTS

Beek-it — a search engine coded in Python • Advent of Code 2020 Hangman Game • Scrabble-like word game (with AI) • Tic-Tac-Toe Simon Game WebApp • PokeDex (Pokemon Classifier, using KNN algorithm) • MNIST and IRIS classifiers • Linear Regression (using gradient descent) • Data tales

CERTIFICATES
- DeepLearning.ai specialization (5 courses) on Coursera
- Intro to CS using Python by MITx on Edx
- OOP using C++ by IIT Bombayx on Edx

AWARDS

Year	Award	Description
2020	James McGill Scholarship	Highest entrance scholarship for int'l students by McGill University
2020	AP Scholar with Honor	Exemplary performance in AP exams, College Board
2019	19th Rank (Int'l)	National Cyber Olympiad, SOF and TCS
2018	43rd Rank (Int'l)	National Cyber Olympiad, SOF and IIT Khadagpur
2017	27th/20000	JSTSE, Government of Delhi
2016	High Distinction (Int'l)	ANCQ, Royal Australian Chemical Institute
2015	2nd/200	Heritage Quiz, Archaeological Survey of India
2012	1st Position (National)	Earth Day Drawing Competition, Government of India