

Varun Saravanan

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EDUCATION

Round Rock High School

High School Diploma

Round Rock, TX

Aug. 2020 – May 2024

- Unweighted GPA: 4.0/4.0, Weighted GPA: 5.5794/6.0, Rank: 65/914
- SAT: 1480 - 790 Math, 690 Reading and Writing
- Senior Year Coursework: AP Calculus BC, AP Environmental Science, AP Physics C, Mobile Apps and Development, Business Information Management, Dual Credit American Literature

Austin Community College

Dual Enrollment

Austin, TX

June 2022 – May 2024

- Took college-level classes to complete required credits and elevate my learning experiences.

WORK EXPERIENCE

UT Dallas Summer Research Intern in Business Intelligence

UT Dallas

June 2023 – August 2023

Dallas, TX (Remote)

- Provided an in-depth exploration of how businesses utilize data analytics and data science methodologies to gain valuable insights into consumer behavior and effectively strategize product placements in the market.
- Developed many data visualizations using the information provided by companies.
- Acquired hands-on experience and proficiency in utilizing “Tableau”, a data analysis tool, to analyze and interpret data.

EXTRACURRICULAR ACTIVITIES

RRHS Robotics Club

Member(11th-12th)

August 2022 – Present

Round Rock High School

- Collaborated with my team to build and program a robot to compete in the VEX Robotics 22-23 games.
- Occupied the position as the lead coder for my team and programmed the robot to execute the functions needed when the button for it was clicked, like shooting and moving.
- Part of the new junior-varsity team for the upcoming season.

RRHS Science National Honor Society

Member(11th-12th)

August 2022 – Present

Round Rock High School

- Learned about the new and upcoming technologies in the scientific field.
- Attended all the general meetings.
- Created multiple one-pagers and blogs on scientific discoveries that were publicly posted.

Piano Private Lessons

Northwest School of Music

August 2015 – Present

Austin, TX

- Learned how to play multiple types of music, varying from classical to jazz and blues with the guidance of my piano teacher.
- Participated in the seasonal recitals at the school, and earned small awards.

RRHS Hack Club

Member(11th-12th)

December 2022 – Present

Round Rock High School

- Learned about new programming creations.

Round Rock Area Serving Center(RRASC) Volunteer

Member(10th-12th)

May 2022 – Present

Round Rock High School

- Aided donors with the items they were donating by receiving them and organizing them to be sold in the store.
- Occasionally was given the role of project manager and assigned the present volunteers to certain tasks and make sure donors were satisfied.
- Volunteered at the RRASC for 100 hours.

Website Development

June 2023 – Present

- Self-taught programming languages used for website building like Javascript, HTML, and CSS by watching Youtube videos and websites like W3Schools.
- Published websites using a program called “surge.sh”.
- Different websites made below.

PROJECTS

Round Rock ISD GPA Calculator

June 2023 – Present

- Developed the RRISD GPA Calculator for my district's unusual method of calculating GPA
- Allowed users to accurately calculate their future regular and cumulative GPA in both the weighted and unweighted categories
- Implemented HTML, CSS, Javascript, and Bootstrap for the functionality and design of the website
- Used Visual Studio Code to test the website before publishing with the use of surge.sh

Personal Website

June 2023

- Developed a personal website with my resume, interests, and socials
- Implemented HTML, CSS, Javascript, and Tailwind for the functionality and design of the website
- Used Visual Studio Code to test the website before publishing with the use of surge.sh

Arsenal FC Stats Website

July 2023 – Present

- Developed the Arsenal FC Stats website so Arsenal fans like myself can view the heat-maps of the Arsenal players and how their position impacts the game, along with the number of goals and assists each player has. Updated after every game
- Implemented HTML, CSS, Javascript, Bootstrap, and Tailwind for the functionality and design of the website
- Used Visual Studio Code and Node.js to test the website before publishing with the use of surge.sh

Fantasy Game

December 2022

- Developed a fantasy game for my Computer Science III class
- Implemented the use of Mayflower.jar and Java
- Created with the use of physics concepts like free fall motion
- Used BlueJ to test the game and make sure it was functional

Random Group Generator

May 2023

- Developed a random group generator using my knowledge of statistics
- With the input of a file with student names, my teachers were able to assign their students to a random group of a certain size
- Implemented Java so the user could input the file of students to be randomized into groups
- Used BlueJ to test the generator and make sure it was functional

SKILLS

Programming Languages: Java, Java Swing, JavaScript, HTML, CSS, SQL

Frameworks: Node.js, Bootstrap

Developer Tools: Git, VS Code, Visual Studio, Adminer, Eclipse, L^AT_EX

Other Software: Tableau, Microsoft Excel, Adobe Photoshop

Soft Skills: Listening, Teamwork, Writing, Adaptability, Patience

Languages: English(proficient), Tamil(proficient), Spanish(limited working proficiency)

AWARDS/CERTIFICATIONS

- AP Scholar with Distinction | *July 2023*
- Academic Award for a 4.0 GPA | *May 2021, May 2022, May 2023*
- Certipoint IT Specialist - Java | *April 2023*
- Adobe Certified Professional in Visual Design | *May 2021*