
Saiarun Jayanthi

Concord High School Class of 2023, 4.571 GPA

EDUCATION

AP Classes

- Statistics, Environmental Science, Government & Politics, Physics C: Mechanics, Computer Science A, United States History, English Language & Composition, Calculus AB, Calculus BC, Seminar, World History, Human Geography

Exam Scores

- SAT: 1500

Honors

- Member of National Honor Society (2021 - present)
- Concord HS representative at Delaware Boy's State (2022)
- Concord HS participant at University of Delaware Fall Design Day (2021)
- Concord HS representative at Delaware Governor's School for Excellence (2021)
- Participant in Brandywine School District Gifted Program (2012 - 2019)

TECHNICAL PROFILE

Skills

- Languages: Java, Unity C#, HTML, CSS, JavaScript
- Platforms: Eclipse, IntelliJ, Visual Studio, Visual Studio Code, Github

Courses and Certifications

- Wilmington University: Intro to Programming with Python SEC 290
- Delaware Technical Community College: Introduction to Java Programming, Intermediate Java Programming, Introduction to SQL
- Johns Hopkins CTY: Web Development, Advanced Web Development, JavaScript
- Salem Community College: 18 college credits for 2 years of First Robotics participation

Projects

- Personal/Technical Website: <https://sjaybird123.github.io/Website/>
- Profiles: [Personal GitHub](#), [Guide GitHub](#), [Itch.io Profile](#), [TSA Itch.io Profile](#)
- App development including this [Music App for Choir Teacher](#) and [Scouting App](#)
- Game development including timed game creation competitions on itch.io
- Web Development including this [Study Guide Site](#)
- Personal projects including a Chess Line Modifier and Video Game Mods
- [Adapted Ride-On-Truck Project](#) for preschooler with special needs

Technology Student Association (TSA)

- Elected Concord HS TSA Reporter (2019 - 2020) and President (2021 - present)
- State Conference: Software Development 2nd Place (2022), Scientific Visualization 1st Place (2021), Video Game Design 2nd Place (2020)
- Qualified for the National TSA Conference each year since 7th grade (2016 - present)

First Robotics Competition (MOE365)

- Member of the Delaware First Robotics team Miracle Workerz as a part of the programming team and strategy team (2021 - present)
- Team Secretary, Strategy-Technical Lead, and Ambassador Lead (2022 - present)
- Winner of Innovation in Control Award at District Hatboro (2023)
- Qualified for Mid-Atlantic Championship and World Championship (2022)
- Winner of Autonomous Award at District Hatboro and Mid-Atlantic Championship (2022)

VEX Robotics

- Constructed and programmed robots for competitions (2017 - 2020)

CHESS

Career

- Independently play in rated tournaments across the country (2011 - present)
- Current rating of 1558 and ranked 28th in Delaware with a 3rd Category US Chess Title

Outreach

- Founder and current president of the Concord HS Chess Club; responsibilities include managing weekly practices and teaching fellow students (2019 - present)
- Volunteer at chess camps, give free lessons, and organize tournaments (2018 - present)
- Paid private chess tutor (2021 - present)

EXTRACURRICULAR ACTIVITIES

Math League

- Participate in practices and monthly regional meets (2017 - present)
- Second place in regionals, qualifying for the state competition (2020)

Chorale

- Participate in the Concord HS Chorale and sing for school and community events (2019 - present)

SERVICE

Academic Tutoring

- Provide free PSAT and programming lessons (2020 - present)
- Academic tutoring at Concord HS (2021 - present)