

# Shruti Badrish

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**Brief Bio:** Shruti Badrish is a junior at Redmond High School, with a GPA of 4.0. She is interested in STEM fields and has a passion for computer science and mathematics. Shruti has participated and won competitions in these areas, at regional, state, and national levels. She is the owner and founder of Stemity – a non-profit organization dedicated to fostering STEM interest in elementary and middle school students.

## EDUCATION & CREDENTIALS

**REDMOND HIGH SCHOOL**, *Redmond, WA*

Graduation Year: **2024**

GPA: **4.0**

Important Courses and Clubs

- Redmond High School
  - AP Courses: Calculus AB, Computer Science A, Chemistry, Physics C: Mechanics, English Language & Composition, Calculus BC
  - Clubs: Science Olympiad (board member, competitions coordinator), National Honor Society, Math Club, AI Club
  - Four years of world language (Spanish)
- Redmond Middle School
  - National Junior Honor Society (2019-2020)
- Extracurriculars
  - Washington Aerospace Scholars program (ongoing)

## STANDARDIZED TESTS

- SAT (August 2022) Score: **1590** (800 math, 790 EBRW)
- PSAT (October 2022) Score: 1510 (760 math, 750 EBRW)
- AP Exams
  - Calculus AB, May 2022 – Score: **5**
  - AP Chemistry, May 2022 – Score: **5**
  - AP Computer Science A, May 2022 – Score: **5**
- PSAT (October 2021) Score: **1480** (760 math, 720 EBRW)
- SCAT (August 2020) Score: Quantitative **99<sup>th</sup>** percentile, Verbal **95<sup>th</sup>** percentile
  - Qualified into Advanced Center for Talented Youth (CTY) at Johns Hopkins University

## SKILLS & CERTIFICATIONS

- Programming Languages: Java, Python, C, C++, and C#
- Website development using WordPress, HTML, CSS, and JavaScript
- Udemy
  - Game development using Unity Engine & C#
- Coursera
  - Algorithms (Part 1) - Princeton University
- Lean Launch (entrepreneurship workshop) at Microsoft Research, 2017

## WORK EXPERIENCE

Owner and founder of Stemity, a non-profit organization dedicated to spreading interest in STEM to elementary and middle schoolers.

- Founded in 2020, conducted STEM-based competitions for charity (stemity.org)
- Expanded in 2021-22, conducted STEM-based interactive workshops (stemity.net)

## VOLUNTEERING EXPERIENCE

- Counselor for Girls Rock Math, 2022
- Tutor for Essay Writing, North South Foundation, 2022
- Judge, Reflections Competition, Einstein Elementary, 2021-22
- Teaching Assistant (TA), Einstein Elementary, 2019-2022
- Facilitator for the Julia Robinson Mathematics Festival (JRMF), 2021
- Activity Volunteer, Einstein Elementary, 2019-2020
- Proctor, Math Challenge Masters Tournament, 2019

## AWARDS & HONORS

### Science Olympiad

- 2022 State:
  - Individual – Chemistry Lab: 4<sup>th</sup> place, Code Analysis: 6<sup>th</sup> place
  - Team – 6<sup>th</sup> place
- 2022 Regionals:
  - Individual – Chemistry Lab: 3<sup>rd</sup> place, Code Analysis: 4<sup>th</sup> place, Astronomy: 3<sup>rd</sup> place
  - Team – 4<sup>th</sup> place
- 2021 State:
  - Individual – Forensics: 8<sup>th</sup> place, Codebusters: 6<sup>th</sup> place, Code Analysis: 10<sup>th</sup> place
- 2021 Regionals:
  - Individual – Code Analysis: 10<sup>th</sup> place, Codebusters: 6<sup>th</sup> place
- 2019 State:
  - Individual – Herpetology: 2<sup>nd</sup> place, Road Scholar: 3<sup>rd</sup> place, Game On: 1<sup>st</sup> place, Water Quality: 8<sup>th</sup> place
  - Team – 2<sup>nd</sup> place
- 2019 Regionals:
  - Individual – Herpetology: 6<sup>th</sup> place, Road Scholar: 1<sup>st</sup> place, Game On: 1<sup>st</sup> place, Water Quality: 4<sup>th</sup> place
  - Team – 1<sup>st</sup> place
- 2018 Regionals:
  - Individual – Meteorology: 3<sup>rd</sup> place, Ecology: 5<sup>th</sup> place, Wright Stuff: 1<sup>st</sup> place

### You Be The Chemist (YBTC)

- 2020: 1<sup>st</sup> place in state

### National Science Bowl (NSB)

- 2020: Represented Redmond Middle School in the regional tournament

### **AMC Series**

- 2022 Fall AMC 12B Score: 85.5
  - Qualified for 2023 AIME
- 2021 Fall AMC 10A Score: 96
  - Qualified for 2022 AIME II
- 2017 AMC 8 Score: 19 (honor roll)

### **USACO**

- Silver level

### **MATHCOUNTS**

- 2020 Chapter: 6<sup>th</sup> place (team)

### **North South Foundation**

- 2022: Computer Science – 9<sup>th</sup> place (USA Nationals)
- 2021: Essay Writing – 1<sup>st</sup> place (WA State)

### **Reflections (Literature Category)**

- 2022: LWSD Award of Excellence for *This is How You Change a World* (advanced to state)
- 2021: LWSD Award of Excellence for *Face of the Future* (advanced to state)
- 2020: LWSD Award of Merit for *Concealment* (advanced to state)

### **Washington State PTA Game Development Competition**

- 2020-21: 1<sup>st</sup> place

### **Computing For All**

- 2019: 1<sup>st</sup> place (team competition)