Sanjit Bhat | Résumé

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Education

Acton-Boxborough Regional High School — **Acton, MA**
Weighted GPA: 4.4/5.0, Unweighted GPA: 3.9/4.0 — *Fall 15–Present*
- 2018–19 AP Courses: Statistics, Chemistry, English Literature, Spanish Language, Psychology
- ACT Composite (34/36); SAT Subject Tests: Math II (800/800), Biology E (790/800)
- Completed APs: BC Calculus (5/5), Computer Science A (5/5), Physics C: Mechanics (5/5), U.S. History (5/5)

Harvard University Extension School — **Cambridge, MA**
Multivariable Calculus, Linear Algebra (In Progress), GPA: 4.0/4.0 — *Fall 18–Spring 19*

AlphaStar Academy — **Santa Clara, CA**
USA Computing Olympiad (USACO) Silver, Gold, and Platinum courses — *Summer 16–Summer 17*
Computational geometry, data structures, search techniques, graph algorithms, and dynamic programming

KTByte Computer Science Academy — **Lexington, MA**
CS01 (Intro to CS), CS02 (AP CS), and CS91 (USACO Silver) — *2015–17*

Extra-Curricular Activities

MIT Program for Research in Math, Engineering, and Science (PRIMES) — **Cambridge, MA**
Third-year student in highly-selective, year-long high school research program — *Jan 17–Present*
- Project 1: Attacking and defending users' anonymity on Tor Network (Jan 2017–Aug 2018)
  · Research at the intersection of secure communication and applied deep learning (self-studied via Fast.ai)
  · Semifinalist in prestigious 2017 Siemens Competition for high school research
  · Second-author of defense paper published at WPES; first-author of attack paper under review at PETS
- Project 2: Adversarial machine learning—Mądry Lab, MIT (Jan 2018–Present)
  · Research includes techniques from linear algebra, theoretical machine learning, and convex optimization
  · National Scholar in 2019 Regeneron Science Talent Search Competition with paper on efficient robust ML

AB IdeaLab (AB's Computer Science Club) — **Acton, MA**
Co-Captain (Fall 17–Present) — *Fall 15–Present*
- Plan team meetings, write teaching material, and assist members with creating and executing original projects
- Train competitive programming team—ranked #1 nationally in 2018–19 ACSL contest

ABRHS Marching and Concert Bands — **Acton, MA**
Principal Tuba (Fall 17–Present) — *Fall 15–Present*
- 3rd chair concert band tuba player at 2018 and 2019 MMEA Eastern District Senior Festivals

Honors and Awards

MIT Blueprint Hackathon—1st place in Main Division
Integrated computer vision and databases for real-time, collaborative music synthesis — *Feb 19*

USA Computing Olympiad—Gold Level
Penultimate level in highly-competitive high school CS Olympiad — *Dec 16*

Work Experience

KTByte Computer Science Academy—Teaching Assistant — **Lexington, MA**
Assisted students with introductory–mid level CS using Java and Processing — *July 15–Jan 17*

Technical Skills

- **Languages:** Python, Java, LaTeX
- **Libraries/Frameworks:** TensorFlow, NumPy, Keras, Git