

## **SAHIL SHAH**

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Senior with interest in math, science, technology and business, and plan to pursue engineering in college. Interest in CAD and has worked with engineering tools such as SolidWorks, Autodesk Inventor and 3D Printers. Hardworking, conscientious and has significant teamwork and leadership skills.

### **ACADEMIC PROGRAMS AND RESEARCH**

- Research (Math & Science) with Dr. Richard W. Stimets, Ph.D., MIT; UMass Lowell Professor – April 2015- Present
- Engineering Innovation – JHU Summer Program – Passed course to earn 3 JHU credits – June/July 2015
- Engineering and Robotics – WPI Frontiers II – Team won 1<sup>st</sup> Place in competition and 2<sup>nd</sup> Place overall – Jul 2014
- Intro to Computer Aided Design – WPI Launch Program – Aug 2013
- Secret Communication Summer Camp (learning codes & cyphers), Colby-Sawyer College – Jun 2012
- Graduated (completion of 9 years of study, with Proficiency in Gujarati Language and Indian Culture) from Shishu Bharati School of Languages and Culture of India – June 2012

### **HONORS, AWARDS, MEMBERSHIPS AND LEADERSHIPS**

- Cybersecurity Awareness Games (CSAW) High School Forensics Challenge – Top 12 out of 800 teams internationally, invited for finals at NYU School of Engineering, guaranteed at least \$28K in scholarships – October 2015
- Vice President of Science National Honor Society – Jun 2015-Present
- Science Olympiad Team President – 2014-2015
- Science Olympiad – 1<sup>st</sup> Place – Rocks and Minerals – 2014; 3<sup>rd</sup> Place – Astronomy, 4<sup>th</sup> Place Bridge Building – Mar 2015
- Math Team - Top 10 A-team member – Team won 1st Place in SMASH competition – 2012-Present
- New England History Bowl – 1<sup>st</sup> Place Regional Winners going on to National – November 2014; 2<sup>nd</sup> Place – Nov 2013
- HackExeter Hackathon Team Competition – 1<sup>st</sup> place for eye-tracking software to control computer – Feb 2015
- School Newspaper (Panther Prints) – Journalist and Co-Editor – Feb 2014-Present
- DOE National Science Bowl High School Regional Competition- team member – 2013-Present
- Inducted into National Honor Society for achieving highest standards in all four pillars: Scholarship, Character, Service and Leadership – Nov 2014
- Inducted into Math, Spanish, Science, and English National Honor Societies – Apr 2014-Oct 2015
- NACLO (Computational Linguistics Olympiad) Competition and Club Member – Jan 2015 - Present
- Entrepreneurs Club at Nashua High South - Vice President – 2013-2014

### **VOLUNTEERING AND COMMUNITY SERVICE**

- Informed Students of The World (ISOW) – Non-profit organization to spread knowledge of current and political events – Vice President – Graphic Design, App Content Creation, Advertising/Marketing – 2013-2015
- NSF Education Bees volunteer - proctoring, judging and scoring – 2012-Present
- Math teaching & tutoring volunteer at High School and IANH Math Bees Workshop – Sep 2014-Present
- National Honor Society - Community service projects including fund raising – Nov 2014-Present
- Nashua Soup Kitchen - Help sort, prepare and serve food to homeless and needy – Jun 2012- Present
- India Association of NH Youth Group – Volunteer, fundraising and computer education for students – Jun 2012-Present
- Shishu Bharati School of Languages and Culture of India – Teaching Assistant, Librarian – 2013-Present

### **BUSINESS PLAN COMPETITIONS and ENTREPRENEURSHIP**

- The Young Entrepreneurs Business Plan Competition – CFO of team AdVision that revolutionizes delivery of personalized ads to your TV using a proprietary set-top box AdCube, 3<sup>rd</sup> Place \$1,000 cash prize winner - Sep 2012–Mar 2013; **Patent filed and pending with USPTO – Application Number 14/231670** – Mar 2014
- Helped launch Entrepreneur club at Nashua High South to promote entrepreneurship skills amongst other high school students – Vice President – Sep 2013 – May 2014
- DECA Business Competition – 1<sup>st</sup> Place in Entrepreneurial Team event and Business Administration Written event at State Level, Invited to Nationals– Feb 2014
- Entrepreneurship class at WPI Frontiers II – Won 1<sup>st</sup> place for final presentation (pitch to investors) – Jul 2014

### **SPORTS, INTERESTS AND SKILLS**

- Sports –Top 6 on Varsity Tennis Team at Nashua High School, Nashua Swim and Tennis Summer Program and YMCA Private Tennis Lessons, Vice President of Table Tennis club, Recreational Skiing and Ultimate Frisbee Team
- Computer Aided Design (experience with SolidWorks, AutoDesk Inventor and Creo)
- Graphics Design (proficient with Photoshop)
- Reading