

**AVIRAL SOMANI**  
avisomani.com  
1115 Sandy Shore Ct., Irving, TX 75063  
**Phone: (469) 449-3340    Email: avisomani@gmail.com**

## PROFESSIONAL PROFILE

Driven and tenacious student with a strong passion for biological sciences, specifically cancer, genomics, and neurobiology. Resourceful and curious, with the ability to easily absorb and understand complex principles and concepts. Creative problem solver who works well as part of cross-functional team or as an individual contributor. Effective communicator with exemplary interpersonal skills, who consistently displays a high level of professionalism.

**Trilingual (English, Hindi, Spanish) | Public Speaking | Research Methods | Research**  
*Microsoft Word, Excel, Access, PowerPoint | Proficiency in Java Programming | Data Entry*  
**Curiosity | Problem Solving | Interpersonal Skills | Logical Reasoning | Consistent High Achiever**

## EDUCATION

<b>School for the Talented and Gifted, Dallas, TX</b>	<b>2013-2017</b>
<ul style="list-style-type: none"><li>• Cumulative GPA: 96.2 – 3.9792/4.0</li><li>• Rank: 4 out of 61</li><li>• #1 High School in the Nation (2015, 2014, 2013, 2012). <u>US News and World Report</u></li><li>• #1 Public High School in the Nation (2010, 2009, 2007, 2006) <u>Newsweek/The Daily Beast</u></li><li>• #3 Most Challenging High School, 2015, <u>The Washington Post</u></li><li>• Texas Distinguished Graduation Plan</li></ul>	
<u>Academic Projects:</u>	
– <i>Study Abroad:</i>	
• <u>Honors and Awards:</u>	
– SAT Score of 2330, 2016 (2400 SAT: 740 CR, 790 W (Essay: 11), 800 M)	Jan, 2016
– SAT Score of 1560, 2016 (1600 SAT: 770 Verbal, 790 Math)	Mar, 2016
– National Merit Scholar Semifinalist	Sep, 2016
– AP Scholar With Distinction	2015, 2016
– National AP Scholar	2016
– Regional Level University Interscholastic League Speller	2013-Present
– Regional Level Ready Writing	2013-Present
– Destination ImagiNation Global Finalist	2015-Present
– National Honor Society	2016-Present
– National English Honor Society Jay Gatsby Chapter	2016-Present
– Science National Honor Society	2016-Present
– Rho Kappa Social Studies Honor Society	2016-Present
– Mu Alpha Theta, Math Honor Society.	2016-Present
– Sociedad Honoraria Hispánica	2015-Present
<b>Coppell Middle School East, Coppell, TX</b>	<b>2010-2013</b>

## LEADERSHIP EXPERIENCE

<b>Team Leader</b> , <i>Globals Level Destination ImagiNation Team</i> , TAG Magnet School	2014-Present
<b>Co-Founder and Vice President</b> , <i>DFW Chapter Red Cross Club</i> , American Red Cross	2015-Present
<b>Founder, Director, Head of Technical Applications</b> , <i>Caelus Solutions</i>	2015-Present
<ul style="list-style-type: none"><li>• Founded a startup that is interested in Urban Engineering, Social Media, and Fire Safety, for which we have attained semifinalist status in the Paradigm Challenge. We are currently researching home fire prevention methods and designing a mobile application that can find a central location to make group meetings convenient for all participants</li></ul>	

<b>President and Founder</b> , <i>Spelling Club</i> , TAG Magnet School	2013-Present
<b>Treasurer and Advisor</b> , <i>Student Body</i> , Magnet School for the Talented and Gifted	2013-2016
<b>Co-editor, Political and Current Events Columnist</b> , <i>Inklings (School publication)</i>	2016-Present
<b>Vice President</b> , <i>Computer Science Club</i> , TAG Magnet School	2016-Present

- Positions required a high level of skills in problem solving, communication, and collaboration in order to cultivate strong bonds between team members, formulate and carry out strategic plans, and achieve the goals and objectives for each program

#### PERSONAL & PROFESSIONAL ACHIEVEMENTS

---

- **American Red Cross:** Vice President and Co-Founder of Youth Red Cross Organization in the Dallas/Fort Worth Area, 2015 – Present
  - Assisted with infrastructure set-up, website, eventually helping with several initiatives to strengthen American Red Cross Mission
  - Helped recruit over 100 youth volunteers
  - Established Leadership Council and guided the council through several initiatives, including blood drives, service to Armed forces, Disaster preparedness campaign and fund raising events
- **UT Southwestern:**
  - Health Professions Recruitment Exposure Program (HPREP) – January – February, 2014
  - Student Researcher – Department of Pharmacology, Biochemistry and Cell Biology Lab of Dr. Joel Goodman (~350 Hours)
- **AT&T:** Pathways Summer STEM Camp at UT Arlington, 2013
- **IBM:** Summer Innovation Camp, 2013
- **Clinical Experience**
  - **MP Birla Hospital – Satna, India** - Exposed to the types of healthcare offered to the underprivileged, and the implications resulting from a lack of buying power
    - Learned about measures the hospital takes in an attempt to ensure the affordability and accessibility of medical care for patients and their families.
    - Fundraised and anonymously purchased care for a needy family.
    - Shadowed Surgical, Radiation Oncologists, and Technologists.
  - **Conroe Regional Medical Center – Conroe, TX** - Made rounds with Physician at this Hospital
  - **HealthSouth Rehabilitation Hospital – The Woodlands, TX** - Made rounds with General Physician at this Rehabilitation hospital.
  - **Baylor Medical Pavilion – Dallas, TX** - Shadowed Dermatologist at Baylor Medical Pavilion

#### COMMUNITY SERVICE

---

- Performed 85 hours of community service at a rural Indian Hospital, Summer 2015
- Provided 213 hours of volunteer work for the American Red Cross
- Volunteered at a Day Program for underprivileged youth - 25
- Teacher at a summer preschool program – 54 Hours
- Volunteered with a senior living facility in India, Summer 2012

#### REFERENCES

---

**Stuart Ravnik, Ph.D.**  
 UT Southwestern Graduate School  
 of Biomedical Sciences  
 Associate Dean  
[Stuart.ravnik@UTSouthwestern.edu](mailto:Stuart.ravnik@UTSouthwestern.edu)

**Joel Goodman, Ph.D.**  
 UT Southwestern Graduate School of  
 Biomedical Sciences  
 Professor, Department of  
 Pharmacology  
[Joel.Goodman@UTSouthwestern.edu](mailto:Joel.Goodman@UTSouthwestern.edu)

**Dr. Sanjay Maheshwari**  
 MP Birla Hospital  
 Birla Colony Campus  
 Satna, MP, 485005, India  
 +91 98-27-39331  
[drsanhmah@gmail.com](mailto:drsanhmah@gmail.com)