

Amrit Gonugunta  
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#### **Academic History and Educational Background**

T. C. Jasper High School Plano, Texas	2012-2014
Texas Academy of Mathematics and Science (TAMS) at the University of North Texas Denton, Texas (GPA: 4.0/4.0)	2014-2016
University of Texas at Austin, Bachelor of Science and Arts (B.S.A), Biology	2016-Present
Polymathic Scholars Honors Program	
Certification in Business of Healthcare	

#### **Experience**

<b>Volunteer at Seton Medical Center Austin</b>	<b>Seton Medical Center Austin (September 2016-Present)</b>
I volunteer at Seton Medical Austin and work closely with Patients and visitors to help them find where they need to go at the Hospital.	

<b>Clinical Research Assistant</b>	<b>Seton Heart Institute (September 2016-Present)</b>
Currently, I am working on several clinical trials and help enroll patients in these studies under the guidance of Dr. Pirwitz. I also am conducting a retrospective study to correlate congestive heart failure with certain medications and therapies.	

<b>Public Relations Officer at San Jacinto Residence Hall</b>	<b>University of Texas at Austin (August 2016-Present)</b>
In charge of presenting information and hall events to residents of San Jacinto Hall. Participate in the planning of resident life activities.	

<b>Senior Mentor at the Texas Academy of Mathematics and Science</b>	<b>University of North Texas (2015-2016)</b>
Senior Mentors are senior class members selected to guide underclassmen at the Texas Academy of Mathematics and Science (TAMS). As a senior mentor, I helped underclassmen tackle a variety of issues including: stress, safety and cleanliness, assimilation to on campus life, and roommate disputes. In addition, I did daily curfew checks and work closely with the Hall Directors and Resident Assistants to plan hall activities. I also acted as an orientation leader to introduce the incoming underclassmen to the academy.	

<b>Tutoring</b>	<b>University of North Texas (2014-2016)</b>
Tutored for several programs. Primarily served as a tutor for underclassmen; selected by the junior academic counselor to tutor students in calculus and biology. Also committed 3 hours a week of tutoring to forward tutoring: a non-profit organization that helps provide academic assistance for those who cannot afford it.	

#### **Projects**

<b>Aspire Mentorship Program (Aspire Mentorship Director)</b>	<b>March 2015-June 2016</b>
Aspire Mentorship is an organization dedicated to serving financially disadvantaged middle school and elementary school students across the Denton area. I served as the director of this program and helped these students develop a science project over the course of the school year. These students learned how to write hypotheses, problems, and conclusions with the goal of presenting at the Dallas Regional Science Fair. For the past two years, we have received the advocate grant funding from the Society for Science and the Public for our work.	

<b>McConnell Hall Westside Courtyard Renovation</b>	<b>January 2016-April 2016</b>
I worked with the Public Works Department at the University of North Texas to remove an overgrown bush that was becoming a hazard. I led a team of volunteers to help landscape and clean the area; plants, mulch and benches were added.	

<b>Plant Induced Defense: The role of the Gene At4g12490 in Systemic Acquired Resistance</b>	<b>May 2015-February 2016</b>
Systemic Acquired Resistance (SAR) is currently being experimented on plants for possible built resistances against virulent pathogens and diseases; however, not much is known about the signaling pathways and genes that play a role in this defense mechanism. I conducted a SAR experiment with the T-DNA knock out mutant line of the gene At4g12490 and wild type plants. This experiment confirmed the role of the gene At4g12490 in Systemic Acquired Resistance.	

#### **Awards**

<b>Texas Academy of Mathematics and Science's Gold Chord</b>	<b>University of North Texas (2016)</b>
The Gold Chord is an honor given to students who have shown a commitment to volunteering and service. Received over 250 community service hours.	

<b>President's List</b>	<b>University of North Texas (2014-2016)</b>
Received placement on the President's List for receiving a maximum grade-point average at the University of North Texas.	

<b>Society of Science and the Public Advocate</b>	<b>Society for Science and the Public (2015, 2016)</b>
Applied for and received a \$3000 grant for work completed through Aspire Mentorship in 2015 and 2016.	

<b>Eagle Scout</b>	<b>Boy Scouts of America (2016)</b>
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