

# Shashank Rammoorthy

## ACADEMIC ACHIEVEMENTS

### **International Linguistics Olympiad**

March 2015 - Won Junior Gold at Panini Linguistics Olympiad

July 2016 - Won Bronze at the Panini Linguistics Olympiad, and Represented India at the International Linguistics Olympiad, Mysore. The Panini Linguistics Olympiad is the national linguistics competition in India.

### **Intel IRIS National Science Fair**

November 2017

I will be presenting my project in the National finals of the Intel Initiative For Research and Innovation in Science (see more at [irisnationalfair.org](http://irisnationalfair.org); 70 out of 10000+ projects were selected) in New Delhi. The fair leads to qualification to the Indian delegation to the Intel International Science and Engineering Fair - the largest pre-collegiate scientific research event in the world. I am very excited for this.

### **Bayer International Science Teens — Full merit scholarship**

JULY 2016 - AUGUST 2016

This is a summer camp on altitude physiology and human anatomy, among others, that I got accepted into. Students were selected from India, Africa, Germany and the US. Due to a clash with the International Linguistics Olympiad - I was not able to attend the summer camp.

### **Secondary School Principal's Award - Stonehill International School**

June 2016

This is awarded to 1 student every year in the Middle Years Program of Stonehill International School.

### **Head of School's Award - Stonehill International School**

June 2017

This is awarded to 1 student every year in the Diploma Program of Stonehill International School. It is the highest possible award a student can get.

### **Catch Them Young - Infosys Limited**

April 2014

This is a highly selective program run by Infosys Limited pan-India, and aims to enhance computer skills. I was among the students who attended this program the summer before Freshman year. I sincerely believe this program helped jumpstart my love for programming. I learnt, among other skills, PHP, HTML, CSS, JS, DBMS and Java here.

### **Indian Philosophy Olympiad - Shortlisted for the Indian team**

April 2016

I was shortlisted for the Indian team for the International Philosophy Olympiad in April 2016. Philosophy remains as an interest of mine.

## **International Social Science Conference for the Youth – Published a paper**

October 2016

I wrote a paper entitled, “The Dravido-Koreanic language family hypothesis: A second look at its merits, and a chance for revival - with intonation pattern analysis”. The paper was accepted for publication in October 2016.

## **Indian National Science and Engineering Fair in Rajkot, Gujarat – Silver Medal at the Nationals**

January 2017

I participated in the National level science fair in Rajkot in January 2017. I have qualified to the Indian contingent to the GENIUS olympiad in the US and the International Environmental Sustainability Project Olympiad to be held in the Netherlands.

## **Summer Research School 2017 of the High School Student Institute of Mathematics and Informatics**

August 2017

I was a student mentee at the Summer Research School 2017. It was held in the American University in Bulgaria (AUBG) at Blagoevgrad. I worked under Dr Emil Kolev, Konstantin Delchev, Alexander Silgidjian and Todor Kolev. My independent research project was concerning the usage of image processing and machine learning algorithms in order to extract highlighted text. It was mind-expanding work.

## **EDUCATION**

### **Stonehill International School, Bangalore — 10<sup>th</sup> grade onwards**

July 2015 - present

I am on a 100% merit scholarship at Stonehill International School.

### **National Public School, Rajajinagar, Bangalore — 9<sup>th</sup> Grade**

June 2014 - April 2015

## **WORK EXPERIENCE**

### **Walnut Knowledge Solutions**

August 2016 - October 2016

I was an intern with Walnut Knowledge Solutions, a Bangalore-based quizzing company. This was a new experience for me. It was my first paid internship - and first professional, official internship. Quizzing companies have sprung up all over India due to the “quizzing culture” at schools and universities in the country. The team at Walnut needed to keep pace with the latest happenings globally, and create thought-provoking questions and customised programs for their clientele. I contributed in terms of content development - the generation of quiz questions, many of which were used by Walnut at their quiz shows in corporates, colleges and schools. I will be helping out in terms of web apps in the future.

## **Angani Capital Advisors**

April - May 2017

I developed a database driven website for a nonprofit avian conservation organisation in collaboration with Angani Capital Advisors and incorporated media from >100,000 images. It was a great learning experience.

### **PROJECTS**

#### **Building An Emergency Alert System for Senior Citizens**

As a part of this year-long project, I built a system that detects the occupancy of lavatories, and consequently acts as a fall detection and emergency alert system. The system is targeted towards senior citizens, and requires no human input. This project was presented at the Indian National Science and Engineering Fair - and won a gold medal at the Karnataka Regionals.

#### **GST Rate Finder App - 185,000 installs in 4 days**

This app of mine was on the Google Play Store, and was an effort to help citizens understand the new Goods and Services Tax launched by the government of India. It generated great interest, even beating the government's official app on the subject on search pages. At its peak, it was getting 12,000 downloads an hour - and unfortunately, my servers could not cope up. This was, however, a valuable life lesson. It has now been unpublished to facilitate further development and fine tuning.

#### **Building A Smart Alarm**

This project was done as a part of my Design Class in M5/sophomore year. The project involved an Arduino-based console that would be attached to the doorjamb, the idea being that the alarm would not stop until the user walked into the bathroom and washed his/her face. I use the product at home to this day. Commercialisation is a real possibility in the near future. A Kickstarter campaign is underway.

#### **The Appening Club**

I started The Appening Club in Stonehill International School in Junior Year. I am guiding students from the absolute basics of app development using the Ionic Framework and Apache Cordova - to publishing their own apps on the Play Store and the App Store. The introduction to programming was using PaperJS, a nice JavaScript library for drawing and graphics.

#### **MainPoint**

This app is based on Optical Character Recognition Technology. It will autosave highlighted portions of the textbook. This is actually a non-trivial problem for computers to solve.

#### **Hackscholars @ CIS**

Won 1st place at this interschool hackathon at Canadian International School Bengaluru. See [hackscholars.com](http://hackscholars.com).

### **AWARDS**

**Landmark Junior Quiz Bangalore, 2014 - 1<sup>st</sup> place**

**Landmark Junior Quiz Chennai, 2016** – 1<sup>st</sup> place – There were over 700 participants in this quiz generally regarded as one of the toughest in India.

**Landmark Junior Quiz, Chennai, 2015** – 3<sup>rd</sup> place

**Sishu Griha Model United Nations, 2016** Honourable Delegate (equivalent to 2<sup>nd</sup> place)

**Speak Out, It Matters!** Debate fest conducted at National Public School Indiranagar. Team 1<sup>st</sup> place.

**Stonehill International School Public Forum Debate, 2015** – 1<sup>st</sup> place in the inter-school tournament.

#### MISCELLANEOUS/OTHER

- I play squash regularly and have participated in the Indian Nationals.
- I swim every day using Total Immersion. This is a technique that minimises drag and brings net effort required to a bare minimum.
- I am on my school's cricket team as an all-rounder.
- I am trained, and take an avid interest, in Carnatic music.
- I play the guitar recreationally.