Résumé

Sneha T. Kannan 240-396-7971 snkannan@mit.edu
229 Vassar Street, Rm 324, Cambridge, MA 02139 Class of 2013

Overview

Multi-lingual student who attended Gifted /Magnet Programs since 4th grade. Pursued and excelled in a wide range of extracurricular activities. Maintained perfect GPA since 4th grade. Involved in 4 years of biomedical research prior to MIT and won numerous science fair awards.

Education

- **2005 – 2009** - Montgomery Blair High School, Silver Spring, MD– A Magnet Program in Math, Science, Computer Science, Research
- **GPA**: 4.0 unweighted, 4.82 weighted and 5.0 in 13 AP courses taken
- **Rank**: Top 5% in a class of 100 Magnet students. One of highest number of AP/Honors credits.
- **2002-2005** Math, Science, and Computer Science Magnet at Takoma Park Middle School; GPA 4.0

Activities

Captain - Debate Team; Member of Debate Team for 4 years; Finalist in County Competition last 2 years.
Captain; American Computer Science League (ACSL), placed #1 individually last two years.
American Regions Mathematics League (ARML); placed in National Competition in 2005-2007;
Mathcounts – MD State Champion
Captain Tennis Team, #1 Singles last 2 years; Division 1 School
Captain J8 (Junior G8 Competition) National Finalist 2008
American Invitational Math Examination – Top 1% of nation in mathematics
Indian Classical Singing for last 4 years, School Choir Senior Year
Indian Classical Dance for 5 years
Top 30 rank in Mid-Atlantic USTA
CLT – Indian based charity organization focused on K-12 education for impoverished families. Focused on developing and translating training materials in Social Sciences and English, 4 years

Research

- 2004-2005 Research Project: Effects of Different Peptides Derived from Pathogens on *PBMCs* Using ELISPOT Assay; The Institute for Genomic Research; Dr. Ruobing Wang, mentor
- 2003-2004 Research Project: Effects of NSAIDs on Carcinoma and Endothelial Cells; EntreMed Inc.; Dr. Stacy Plum, mentor

Awards

2001-2008	4.0 GPA; MBHS and TPMS
2009	JSHS 1st place; 2nd place-ISEF
2009	London International Youth Science Forum
2008	Semifinalist, Intel Science Talent Search; Semifinalist, Siemens Westinghouse Science and Technology Competition; Siemens Award for Advanced Placement State Winner; National AP Scholar; National Merit Scholar; Finalist, Junior G8 Competition; Maryland Distinguished Scholarship Finalist; Finalist, Montgomery County Debate League; 4.0 Athlete Scholar
2007	Finalist, Montgomery County Debate League; 2nd place ACSL Senior Division; Athlete Scholar
2006	1st place Individual Intermediate Division, ACSL; 4th place Division 2, ARML
2005	1st place, Montgomery County Science Fair; American Cancer Institute-Outstanding research, Semifinalist, Discovery Channel Young Scientist Semifinalist; TPMS Academic All-Star (Distinguished Honor Roll – 11 Qtrs)
2005-2008	Invited to participate in American Invitational Math Examination (top 1% nationally) in every year of High School
2005	Scholarship from Johns Hopkins Center for Talented Youth at University of Maryland. Took Evolutionary Biology and received A in summer before High School

Work Experience

2009- UROP at the Langer Lab under Dr. Avi Schroeder
2007-2008 Senior Research Project at UMB: *Synthesis of Cathepsin B Degradable Peptidic Dendrimers for Use in Cancer Therapy*– A polymeric mechanism using nanotechnology. Patents pending. Invited to present work at University of Utah – Summer of '08. (60 hr/wk, 10 wk/yr)
2007 Surgical Internship with Dr. McDevitt – Anne Arundel Hospital, OR Observation and clinical rounds (Orthopedics)

Misc

Programming Languages – Java, TrueBasic, Javascript, DHTML
Applications – MATLAB, MiniTab, ChemDraw
Bio Lab techniques – gel electrophoresis, PCR, bacterial transformation, cell culture, cell seeding, WST-1 cytotoxicity assay, ELISPOT assay, NMR, UV/Vis spectroscopy, MALDI, organic synthesis, purification procedures

Skills

Has held numerous leadership positions, can work independently as well as in a group setting, has had years of research experience prior to entering MIT in both a group and individually, motivated. Interests include tennis, crossword puzzles, biking, hiking, and reading.