Shyam Srinivasan

Biomedical Engineering Undergraduate

Education

- **Vellore Institute of Technology,** Vellore *July 2013 - Present*
  B. Tech in Biomedical Engineering
  Cumulative GPA: **9.13**/10 or **95**th Percentile in the 2013-2017 batch.
  Nominated for **Student Council** Post as a result of exemplary academic records

- **oikos LEAP Advanced Track** *October 2015 - November 2016*
  Certified Program for young leaders
  LEAP is a non-formal, certified education program for young leaders to mature into entrepreneurial leaders and responsible decision makers. Visit *oikos-international.org/leap* for more information.

- **Technische Universität München** *June 2015 - July 2015*
  Courses in Nanotechnology & Deutsch
  NanoSci and NanoTech: **A** Grade; Deutsch (A1): **A** Grade

- **The Shri Ram School, Aravali,** Gurgaon *January 2009 - April 2013*
  Indian School Certification (ISC)
  ISC Board Exam Overall: 95%

- **The Millennium School,** Dubai *June 2004 - November 2009*
  CBSE - International

Experience

- **oikos International** *July 2015 - Present*
  Learning Circle Manager
  Latest: Panelist at **UN PRiME** Conference at IMC Krems, Austria

- **AKAS Medical,** Chennai *December 2015 - January 2016*
  Intern
  Hands-on Training with medical equipment like infusion pumps and pulse oximeters. Built a program for detection of Ventrical Fibrillation in ECGs from acquired data samples using MATLAB.

- **Erasmus+ Youthpass** *October 2015*
  Mobility of Youth Workers
  Participated in a Learning Mobility Project from 23rd - 26th October, 2015

- **Technische Universität München** *June 2015 - July 2015*
  Laboratory Research and Training
  Implantable CNT-Based Biosensors for pH Detection in blood. Training in Class 10 clean room atmosphere. Fabrication of CNT-FETs manufactured in-house.

- **Medanta, the Medicity,** Gurgaon *May 2012 - June 2012*
  Intern, Dept. of Internal Medicine
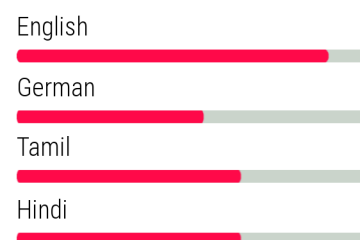 Training with Hospital Equipment

Projects in Association

- Sustainable Design interventions for the built environment: A synergistic study of computational fluid dynamics and art
  Accepted into UCL Press' Architecture MPS Journal. Manuscript ID will be communicated soon.

- 3-D Computational Study of Blood Flow in Pathophysiologically affected Arteries simulated in OpenFOAM
  Presented at IEEE CIBEC Conference 2016. Indexed in IEEE Xplore.
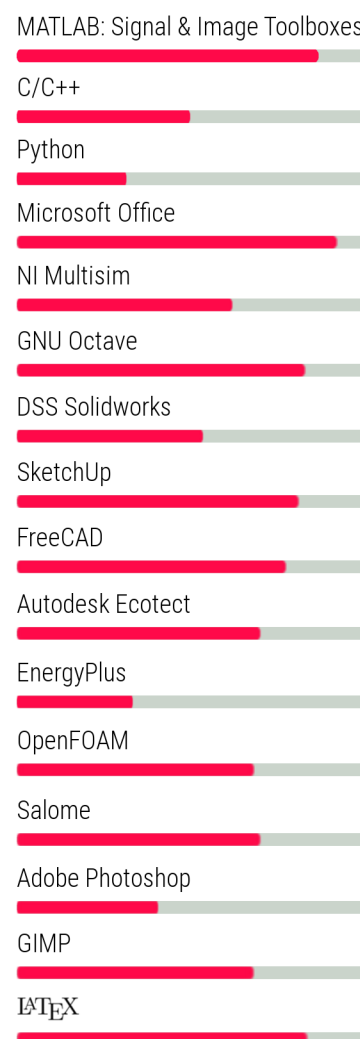 Electronic ISSN: 978-1-5090-2987-7. Will be online in the third week of January, 2017

Details

Current:
D-139,
VIT Men's Hostel,
VIT University,
Vellore, Tamil Nadu,
India 632014

Permanent:
GF, D-11/22,
Exclusive Floors,
DLF Phase 5,
Gurgaon, Haryana,
India 122002

+91 - 99621 63264

shyamganesh.srinivasan2013@vit.ac.in

shyam7srinivasan.github.io

Male

DOB: 25th December, 1995

Nationality: Indian

Languages

English

German

Tamil

Hindi

Skills

MATLAB: Signal & Image Toolboxes

C/C++

Python

Microsoft Office

NI Multisim

GNU Octave

DSS Solidworks

SketchUp

FreeCAD

Autodesk Ecotect

EnergyPlus

OpenFOAM

Salome

Adobe Photoshop

GIMP

LaTeX

Extra-curricular

● **oikos International**   July 2015 - Present

Manager, Energy Learning Circle

Nominated in July 2015 and conducted a workshop on Investment in Energy Innovation at Futurelab 2015 in St. Gallen. Invitees: Dr. Tobias Schmidt, ETH Zurich, Dr. Axel Michaelowa, University of Zurich.

● **oikos Vellore**   June 2016 - Present

Chapter Advisor

Past: President for the academic year 2015-16 and Vice President for academic year 2014-15

● **Lawn Tennis**   January 2015 - Present

Varsity Team

Took the University to the Quarter Finals of the South Zone Nationals

● **IET**   January 2014 - Present

Member

Institution of Engineers and Technology

● **Model United Nations**

VITMUN 2016 - High Commendation - China, ECOSOC
GLASS 2015 - Under Secretary General
VITMUN 2014 - Best Delegate - Greece, G20
GLASS 2014 - Director, G20

● **Organizing Roles**

IMPACT 2013 - Editor in Chief
IMPACT 2014 - Head of Public Relations
GLASS 2015 - Organizer
Workshop at Futurelab 2015 - Investment in Energy Innovation - St. Gallen, Switzerland
oikos Asia Meet 2016 - Organizer
Workshop at Futurelab 2016 (*6th - 8th November, 2016*) - St. Gallen, Switzerland
RME Research Conference 2016 (*9th - 10th November, 2016*) - Panelist - Krems, Austria

Scholarships & Awards (2013 - Present)

● **University Scholarship for Aptitude**   2013 - Present

Yearly scholarship for the duration of degree

Awarded to the highest ranking candidates in the University Entrance Exam (VITEEE). Rank: 234

● **Scholarship for Academic Proficiency**   2014, 2015, 2016

Awarded by University to high achieving students in each program

Branch Rank: 3 (2013-14), 2 (2014-15), 2 (2015-2016), 3 (2016-)

● **Scholarship for Sports**   2015 - Present

Awarded by University to high achieving sportsmen

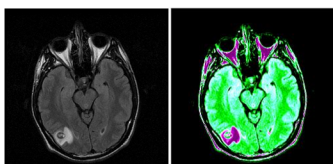Performance of the Lawn Tennis Varsity Team

Independent Projects

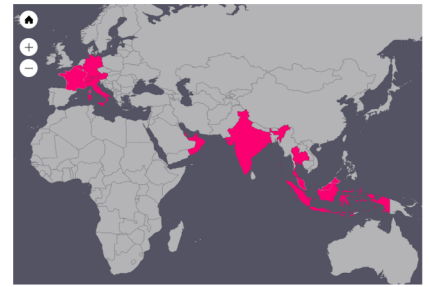● **Falsch**   January 2016 - Present

Program for introducing colored contrast in processed MRI Images

Original   *Falsch*

Countries Visited:

Web Profiles

in shyam7srinivasan

○ shyam7srinivasan