Athreya Varadarajan

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EDUCATION

University of Michigan **Ann Arbor, MI**
Pursued Degree: B.S.E in Computer Science – May 2017

- **GPA: 3.3/4.0**
- Current Year: **Junior**
- College of Engineering Dean's List: Winter 2015
- Relevant Coursework: Discrete Mathematics, Data Structures and Algorithms, Computer Architecture, Theory Of Computation, **Operating Systems**; Introduction to Statistics; Bio-Mechanics I

The Shri Ram School-Aravali **Gurgaon, India**
High School Diploma – May 2013

RESEARCH EXPERIENCE

Extra-Corporeal Membrane Oxygenation (ECMO) Lab:
Assistant in Research **September 2013-2014**
- Aided in surgical procedures and data collection in the testing of a Pediatric Artificial Lung.
- Independently analyzed data and evaluated a safe threshold value for impedance.
- Tested the device to ensure it was within the safe threshold value.

PROJECTS AND ACTIVITIES

Multidisciplinary Design Program (MDP):
Team Member with Toyota **January 2016-present**
- Currently building an instrumentation package for data collection in automotive headlamps.
- Initiated development of an Android app to process data retrieved by the instrumentation being built.

Computer Science Engineering Scholars (CSES)
Head of External Outreach **September 2015-present**
- Organized technical workshops to help educate students on a variety of Computer Science topics.
- Pioneered open source projects to provide club members with experience in app development.
- Held weekly tutoring for various Computer Science courses.

Model United Nations at the University of Michigan (MUNUM):
Assistant Director **September 2013-present**
- Chaired a committee of 140 delegates who discussed topics on Disarmament and Security.
- Created a background study guide on multiple topics that were discussed during committee proceedings.
- Conducted training workshops for new club members.

Michigan Research Community (MRC):
Peer Mentor **September 2014-2015**
- Coordinated with other peer mentors to organize events for first year community members.
- Planned and led monthly activities for six mentees, including team-building activities to foster community within the program and the dorm.
- Offered assistance with professional development, which included informal resume workshops, academic advice and career guidance.

SKILLS

- Experience with C, C++ (Visual Studio, CLion, Vim), Python, HTML, MATLAB