

Shashank Mahesh

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EDUCATION

Bachelor of Science in Computer Engineering

Freshman attending University of Illinois at Urbana-Champaign

Expected Graduation: 2022

Technical GPA: 4.00/4.00 College GPA: 3.75/4.00

PROJECTS

Uninterrupted Regulated Power Supply — Fall 2019

Designed a circuit to provide regulated backup power in the event of AC power surge or outage.

Emergen-Speech — Fall 2018

Developed an Android app that uses voice recognition and text analysis that can be used by a commoner. Provides medical help to someone who has just had a medical emergency before Medical help arrives.

Fact or Fiction? — Fall 2017

An Android app that uses artificial intelligence to determine the credibility of sources given training data

A Little Language to Program the Raspberry Pi — 2017 Synopsys Science Fair

Developed parser and a framework in Java to provide a high level language to model and control a Raspberry Pi based circuit.

Home Automation Model — 2016 Synopsys Science Fair

Developed a home automation system to control various home appliances using machine learning algorithms. Used a Raspberry Pi to model home appliances.

EXTRACURRICULARS & LEADERSHIP

Carnatic Vocal Music — 2007 - Present

Currently learning advanced Carnatic vocal music and regularly perform at various Bay Area venues. Have competed and won prizes in Cleveland Thyagaraja Aradhana and several other competitions.

Member of Combotics Team at IRobotics UIUC — 2019 - Present

Building a robot to compete in RoboBrawl 2020 (an inter-university competition like BattleBots).

Teaching Assistant at Gandharva Vidya Center — 2012 - 2019

Have been helping my Carnatic music teacher teach beginner and intermediate level classes.

Teaching Assistant at Code For Fun — Summer 2017

Volunteered as a TA for two courses, and helped and mentored kids at coding camps in Code for Fun.

Robotics Captain & Technical Lead for FTC Team — 2016-2017

Built a robot to compete in FIRST FTC, and led team to semi-finals.

RELEVANT COURSEWORK (AT UIUC)

Analog Signal Processing	Introduction to Computing	Introduction to Differential Equations Plus
Discrete Mathematics	Introduction to Electronics	Computer Systems Programming

SKILLS

Languages:	Java, Python, C, Scheme, Swift, SQL, HTML, CSS, JS
App Development:	JavaFX, Android, iOS, Web
Skills:	JUnit Testing, Neuroph, Altera Quartus, Matlab, React JS