Aditya Chavan

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY
Masters of Science in ECE, Expected Spring 2019

UNIVERSITY OF MUMBAI, DWARKADAS J SANGHVI COLLEGE OF ENGINEERING
Bachelor of Engineering in Electronics, Class of 2016-17
Stood first in the department for 2 semesters

MAJOR PROJECTS

COLOUR 3D PRINTER / PCB MACHINE, 2017
Final Year Project
Funded by the Department of Electronics, DJSCOE, Mumbai University.
- Team Leader, in a group of 3.
- The printer and its software was designed and constructed from scratch.
- In-charge of creating software for the printer. Code written in C++ and HTML/CSS.
- The printer prints in full colour, creating 3D objects.
- CNC milling used to create PCB's
- The project in action: https://youtu.be/0Ct_DacT6dQ

WIRELESS SPEAKER SYSTEM USING IOT, 2017
Funded by the Department of Electronics, DJSCOE, Mumbai University.
- App to send voice from any internet connected device to the college speakers
- Implemented in DJ Sanghvi College of Engineering. Used by faulty and staff.
- Developed hardware on ESP 8266
- Wrote code regarding the transmission of VOIP data.

RUBIK'S CUBE SOLVER BOT, 2015
Won 1st place at a University level and 3rd place at a National level display
- Team leader, in a group of 3
- Presented the project at University, State and National Level Project Conventions.
- Wrote code for Image Processing and for controlling the microcontroller
- Camera scans 6 sides of the cube and a laptop calculates a solution
- The cube is then solved by 8 servo motors
- The project in action: https://youtu.be/EzWuYXoxwec

VOICE CONTROLLED HOME AUTOMATION SYSTEM, 2015
- In charge of developing code on android and designing the UI.
- An Android App uses Google Voice to scan the user's voice
- The app communicates with a Arduino, which controls lighting equipment

VARIABLE POWER SUPPLY WITH LINE AND LOAD REGULATION, 2015
- Designed the hardware and constructed the circuit.

PROGRAMMING LANGUAGES
- C , C++ , Java , HTML/CSS/PHP , Android , Python

WORKSHOPS
- Robotics and Arduino Programming Workshop, 2013
- Embedded System with ARM mbed Platform, 2015
- Microsoft Technology Associate: Security Fundamentals, 2016

LEADERSHIP **EXPERIENCE**	● Class Representative in the Student Council, D.J. Sanghvi College, for the Year 2015-16 ● Member of Organizing Committee in the college Modern UN Club (DJ MUN 2014)
HONORS/ **AWARDS**	● 1st prize in Mumbai University At 'Avishkar Research Convention 2016-17'. ● 3rd place in S.P.I.T. Project Mania, National Level Project Competition ● Chosen to Represent Mumbai University at the State-Level Finals of 'AVISHKAR 16-17' ● Cash prize of Rs 500/- for standing first in the Department of Electronics on the basis of Performance in 5th and 6th Semesters, taken together