Aditya Chavan

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OBJECTIVE

Seeking an Internship or a Co-op in Electronic Design and Software Development starting May 2018

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, COLLEGE OF ENGINEERING
Masters of Science in ECE, Expected Spring 2019, GPA: 3.25/4

UNIVERSITY OF MUMBAI, DWARKADAS J SANGHVI COLLEGE OF ENGINEERING
Bachelor of Engineering in Electronics, Class of 2016-17, CGPA: 8.84/10

- Stood first in the department twice.

RELEVANT COURSEWORK

GRADUATE LEVEL: Linear & Digital Control Systems, Data and Visual Analysis, Verilog, Math foundations of ML, Adv. Computer Architecture, GPU Architecture, Advanced Programming Techniques.

UNDERGRADUATE LEVEL: Various VLSI courses, Instrumentation Engineering, Robotics,

MAJOR PROJECTS

IMPLEMENTATION OF CACHE POLICIES IN SESC PROCESSOR, 2017

- Wrote code for several cache replacement policies in a simulated SESC Processor
- Measured and compared performance of each applied policy

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

PROGRAMMING LANGUAGES

- C
- Modern C++
- Assembly x86
- SQL
- Java
- Java Script
- HTML,CSS
- PHP
- Android
- Arduino
- Python
- CUDA C++

SOFTWARE PACKAGES

- MATLAB
- Visual Studio
- Tableau
- GitHub
- Altium
- Proteus
- OPENCV
- Atmel Studio
- LABVIEW
- Keil uVision
- ModelSim
- QT Designer
- AWS
- Eclipse
- Android Studio
- Virtual Box

HARDWARE

- Raspberry Pi, ARM mbed, Altera FPGAs, Intel Gallileo, Arduino, ESP8266

WORKSHOPS

- Robotics and Arduino Programming Workshop, 2013
- Embedded System with ARM mbed Platform, 2015

CERTIFICATIONS

- 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

WEBSITE

- www.adityachavan.com

LINKEDIN

- linkedin.com/in/aditya-s-chavan

GITHUB REPO

- github.com/AdityaChavan