Aparajithan Venkateswaran

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Education

University of Colorado Boulder **May 2020**
B.S. (Hons) Computer Science GPA: 4.000 (after Fall 2017)
B.S. (Hons) Applied Mathematics

Arsha Vidya Mandir, India **May 2015**
Central Board of Secondary Education 96.20 %
Senior School Certificate Examination (Nationwide High School Graduation Examination)

Experience

Research Assistant, University of Colorado Boulder **Jan 2018 - Present**

- Developing models to study the underlying structure of curriculum vitae
- Using Hidden Markov Models to identify and extract features (sections) of curriculum vitae

Course Assistant, University of Colorado Boulder **Jan 2018 - Present**

- Course assistant for Discrete Structures (CSCI 2824)
- Hold office hours to help students with assignments and concepts
- Design new questions for assignments/exams and write solutions for existing questions

Organizer, HackCU **Sep 2016 – Present**

- Lead the tech team at HackCU, a student run on campus hackathon group
- Managing servers, designing websites, developing software used at hackathons, and teaching workshops

Research Assistant, University of Colorado Boulder **Sep 2017 – Dec 2017**

- Worked in the AVS Lab on optical navigation and feature tracking in astronomical objects
- Developed a deep neural network model to identify craters on astronomical objects
- Developed a tracking algorithm to track specific craters across time

Selected Projects

Faculty Course Questionnaire: Anomaly Detection System

- An anomaly detection model based on Bayesian Networks to detect ‘anomalous’ replies to Faculty Course Questionnaire at University of Colorado Boulder

Skills

Languages	Experienced in C/C++, Python; Familiar with MATLAB, JavaScript
Tools and Frameworks	TensorFlow, Django, Numpy, AngularJS, React, node.js
Misc.	MATLAB/GNU Octave, Git, Heroku, AWS, AutoCAD