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# Pranav Chaudhari

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## EXPERIENCE

### **Rutgers University, Dept. of Computer Science** - *Research Assistant*

JUNE 2016 - PRESENT

- Development of a dynamic graph-partition model for GPU locality enhancement for maximum cache performance. Analyzed cause of speed up and effects of different algorithms on different types of graphs. Project resulted in paper currently in review.
- Identified problems, and extensively tested our implementation versus other graph partitioning methods. Huge scalability, on smaller graphs improvement up to 4 times, and on larger graphs (nodes >1 mil), more than 10 times improvement.

### **Hackathons** - *Various*

JAN 2015 - PRESENT, Best of;

- PennApps Winter 2016- Created Android app that can alert a user's close family about potential nearby dangers to the users. First time creating an Android app, and added API functionality. Top 15. **Languages:** *Java*
- StartHack (St.Gallen) 2016- Created Pebble app that assisted online purchasers with their in-store purchases. Focus on UX design, and API implementation. 2nd place, Arvato prize. **Languages:** *Javascript*
- BigRedHacks 2016- Created application that uses deep learning to detect and alert if a user is asleep or awake using emotion recognition and neural networks. Multi-API and language management and synthesis. Best use of MATLAB. Languages: *JS, Python, MATLAB*

## EDUCATION

### **Rutgers University, New Brunswick** - **S.A.S. Honors Program**

Pursuing Computer Science (B.S), Expected Grad: MAY 2019, GPA: 3

## SKILLS

Fluency in Java, Python, Javascript(JS), HTML5, CSS, Some fluency in C.  
Video production, project management, and organization.

## AWARDS

Eagle Scout, 2015.