

# APURV PAREKH

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[Github](#) ◇



[Hackerrank](#) ◇



[uHunt](#)

## EDUCATION

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**University of Central Florida, Orlando, Florida**

Masters, Department of Computer Science

*May 2019*

*GPA: 3.67*

**University of Pune, India**

Bachelors, Computer Science

*May 2015*

## PROJECTS

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### WeatherCast

[Demo](#)

- Developed a web application in AngularJS and Java Spring to check the Real Time weather condition based on user's current location or user can search for any other location across the globe.
- Worked on Here maps and DarkSky API to obtain weather and geolocation information.
- Used IPStack API to obtain user location data based on current IP address.

### Environmental Monitoring using AWS IOT and DHT11

- Worked on ESP32 micro-controller, DHT11 partical sensor and NEO-6M GPS sensor to read temperature, humidity and other parameters for current location.
- Worked on AWS IOT to securely read the data from device and store it into AWS DynamoDB.
- Implemented AWS Lambda function and created a REST endpoint for Web Applications to read the data from DynamoDB.

### Rethinking Virtual Memory for Disaggregated Memory Systems

- The project aims to exploit the temporal locality to improve the performance of virtual memory in disaggregated memory system
- Worked on pre-fetching for multilevel page table in C++ and Structural Simulation Toolkit to reduce the memory accesses during address translation.

## EXPERIENCE

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**University of Central Florida, Orlando**

*Graduate Teaching Assistant*

*Jan 2018 - May 2019*

- Responsible for conducting Lab sessions and mentoring students to solve relevant problems in Algorithm Design(CS II) and Data Structures (CS I).
- Helped to design the course work and grading the exams and homeworks.

**Cognizant Technology Solutions, Pune, India**

*Programmer Analyst*

*Jan 2016 - Aug 2017*

- Worked on Problem Management tickets to provide client support
- Worked with Application Value Management team to improve the application stability and functionality.

## TECHNICAL SKILLS

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**Programming and Scripting Languages**  
**Frameworks, Libraries & Tools**

Java, C/C++, Bash, JavaScript, SQL, HTML  
BootStrap, AngularJs, Git, Maven