APURV PAREKH

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EDUCATION

University of Central Florida, Orlando, Florida

May 2019

Master's, Department of Computer Science

GPA: 3.75

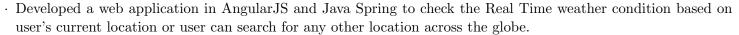
University of Pune, India

Bachelor's, Computer Science

May 2015

PROJECTS

WeatherCast © Demo



- · 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.
- · Worked on AWS Elastic Beanstalk and AWS S3 for deployment of web application.

Environmental Monitoring using AWS IOT and DHT11

- · Worked on ESP32 micro-controller, DHT11, PM, NEO-6M sensors 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

University of Central Florida, Orlando

Jan 2018 - May 2019

Graduate Teaching Assistant

- · 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

Jan 2016 - Aug 2017

Programmer Analyst

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

TECHNICAL SKILLS

Programming and Scripting Languages Frameworks, Libraries & Tools Java, C/C++, Bash, JavaScript, SQL, HTML BootStrap, Angular, Git, Maven