APURV PAREKH

3248 Arden Villas Blvd, #14, Orlando, Florida - 32817 ◇ 321-316-9713 ◇ apurvparekh30@gmail.com

 Github ◇ Hackerrank ◇ uHunt

EDUCATION

University of Central Florida, Orlando, Florida *May 2019*
Masters, Department of Computer Science *GPA: 3.67*
University of Pune, India *May 2015*
Bachelors, Computer Science

PROJECTS

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.
· 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 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

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