ABHINAV MURALIDHAR KULKARNI

abhinavmkulkarni@gmail.com ⋄ linkedin.com/in/kulkarniabhinav ⋄ github.com/abhinav-mk

EDUCATION

University of Southern California, Los Angeles   January 2018 - December 2019
Masters in Computer Science
Courses - Algorithms, Artificial Intelligence, Operating Systems, Machine Learning, Web Technologies

PES Institute of Technology, India   September 2012 - May 2016
Bachelor of Engineering in Computer Science

WORK EXPERIENCE

Citrix R&D   July 2016 - December 2017
Software Engineer, Citrix Director team

· Implemented a feature to predict the Application Instance count using Machine Learning and developed the User Interface using ReactJS and HighCharts API.
· Redesigned the User Interface of XenApp Essential Director service, written in Java(Google Web Toolkit)
· Filed a patent on tracking application usage and detecting anomalies for Citrix XenApp and XenDesktop

Flipkart Internet Private Limited   June 2014 - July 2014
Software Engineering Intern, Seller Relationship Management team

· Developed a Proof of Concept of a hybrid mobile application for Sellers of Flipkart using Ionic Framework(AngularJS) to compare performance with native applications to unify offering across all major smartphone platforms

PROJECTS

Weenix Kernel(Single Threaded Non Pre-emptive)

· Created Process life cycle and Virtual File System with functionalities to manage files and directories using C.
· Implemented Virtual Memory to handle memory utilized by the Kernel and User Space Processes and Threads.

Cloud Platform for School Process Management

· Created a platform to handle processes in schools such as grades, attendance, student-teacher communication, with each process published as an independent module using MEAN technology stack

Machine Learning approach to Auto-Scaling CloudFoundry PaaS

· Built a component for automatic scaling of resources on CloudFoundry Platform as a Service in order to guarantee a Quality of Service standard for end user applications using Perceptron Classification algorithm

TECHNICAL SKILLS

Languages   C, Java, Python, JavaScript, SQL, MongoDB
Tools   Git, Jira, NodeJS, AngularJS, jQuery, Android, OAuth, ReactJS, AWS, Microsoft Azure

AWARDS

· Myntra Hackerramp Hackday 2016 - 1st runners up
· Mylan Hack Summit 2016 - 1st runners up
· Facebook Internet.org Innovation Challenge 2015 - runners up
· AngelHack Mumbai 2014 - 1st runners up
· Google Bizdroid Hackathon 2014 - Winners