Parth Desai

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EDUCATION

UNIVERSITY OF MARYLAND, COLLEGE PARK | BS in Computer Science
College of Computer, Mathematical, and Natural Sciences | Minor: Technology Entrepreneurship
Expected Dec 2016 | College Park, MD
Academic Honors(5) • Cum. GPA: 3.6 / 4.0 • Major GPA: 3.7 / 4.0

EXPERIENCE

AMAZON WEB SERVICES, INC | Software Development Engineer Intern
June 2016 - August 2016 | Herndon, VA
- Developed a service to display important live data to our internal users.
- Learned to easily move through AWS solutions and open source solutions like S3, SQS, RDS, Node.js, PhantomJS and Rails.
- Service has been set up in multiple different Amazon offices around the country.

FRAUNHOFER CESE | Software Engineering Research Intern
September 2015 - Present | College Park, MD
- Developing active web applications that our current clientele uses to conduct their daily business/tasks
- Creating an Android application which will allow UMD Graduate students to collect data from senors and use it to add more authentication levels for their users safety.
- Developing on numerous technologies such as Android,JSP,HTML5/CSS3/JS, to create modern and innovative solutions

HUGHES NETWORK SYSTEMS, INC | Intern
June 2015 - August 2015 | Germantown, MD
- Redeveloped file inspection process which resulted in alot engineering teams being able to communicate errors in documents faster and more accurately with eachother
- Created prototypes and showed them to clients, incorporated there feedback to redesign the web application.

DIAMONDBACK NEWSPAPER, INC | Web Developer
December 2014 - August 2015 | College Park, MD
- Developed new skills with the Washington Post "Page Builder" software.
- Re-designed entire website for the MMI company with heavy emphasis on easy UI/UX.

TECHNICAL KNOWLEDGE

PROGRAMMING
Web Development:
JSP • CSS3/HTML5 • JavaScript • Node.JS
Web Frameworks & Tools:
JQuerry • Rails• Skeleton • Bootstrap • XAMPP • PhantomJS
Software Development:
C• Ruby • Python • Java(Oracle Certified) • OCAML • Y86 • Prolog
Databases
SQlite3 • Psql • MariaDB/Msql
Tools
VIM • Terminal • GIT/JIRA • Putty/WinSCP

PROJECTS
Mad Minute X (Flask):
The classic math games made for the web with many more options and levels

Turtle Shell (HTML5/JS/CSS3):
Browser based shell designed to create simple graphics

Project Euler hardest problem (Python):
Web Crawler to got through source code of Project Euler to find hardest problems

RELEVANT COURSEWORK

Computer Science:
CMSC131 & CMSC132 - Data Structures
CMSC330 & CMSC216 - Programming Languages
CMSC250 & CMSC351 - Algorithms

Upper Level Computer Science:
CMSC417 - Networks
CMSC424 - Database Design
CMSC436H - Mobile Development
CMSC433 - Multithreaded Programming

Mathematics:
MATH240 - Calculus 1,2,3
MATH241 - Differential Equations
STAT400 - Statistics