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Hitendra Shukla

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Education

Master of Computer Science — **Arizona State University** — **May 2018**
- Cumulative GPA: 4.0

Bachelor of Technology, Information Technology — **College Of Engineering Pune** — May 2014
- Cumulative GPA: 3.8

Relevant Courses
- Distributed Software Development
- Distributed Database Systems
- Artificial Intelligence
- Data Structures and Algorithms in C
- Operating Systems
- Computer Networks
- Data Mining
- Software Engineering
- Mobile Computing

Work Experience

Amazon Echo Developer — **University Analytics & Data Services (UTO)** — February 2017 – Present
- Researching and developing innovative Alexa Skills for ASU, to carry out day to day tasks as well as solve large scale engineering problems with a voice based interface

System Software Engineer- 2 Years — **NVIDIA** — July 2014 -July 2016
- As Software Point of Contact for I2C module, I collaborated with different teams and took care of module dependencies
- Implemented speed improvements in module reducing GPU boot latency
- Optimized the code reducing memory footprint of module and saving valuable GPU Controller's IMEM space
- Migrated Driver code to GPU RTOS environment improving parallelism

Software Analyst, Intern- 2 Months — **CREDIT SUISSE** — June 2013 - July 2013
- Designed and Implemented Java-based application for automating remote command Invocations to support QA operations
- Effectively parsed files to display data in Prime View Portal using shell scripts

Skills

- **Languages & DBs:** Java, Python, C, Android, C++, JS, HTML, CSS, PostgreSQL, SQL, AWS DynamoDB, Hadoop, Spark, Node.Js
- Machine Learning, Big Data Analytics, Cloud Computing, Unix, OS, AWS, Virtualization, Kernel Programming, Design Patterns, GitHub

Projects

Elixir (Amazon Alexa Skill Set) — January 2017
- Elixir is a voice enabled health assistant. It aims at providing accurate medical diagnosis based on patient's previous health records and medical diseases database. Accomplished in 2 days using Node.js and AWS AVS, Lambda, DynamoDB services
- Furthermore, it recommended a Doctor based on patient's location and relevance to the category of the disease

Human Activity Recognition using SVM — November 2016
- Developed Android application to identify human activity such as walking, running, and eating using smartphone's accelerometer
- Trained the SVM model on collected data and classified the activity using trained SVM classifier with 75% accuracy

Visualizer for Data Structures — April 2013
- Developed a Java-based desktop application in NetBeans to provide visualization of data structures operations using Java Graphics Library
- I worked mainly on Core Infrastructure Design of the application and Linked List Visualization

Content Hosting and Sharing Website — October 2012
- Built a website on lines of Google Drive using HTML, CSS, JavaScript at Frontend and PHP and MySQL at Backend to host user content online
- Provided private content hosting feature and anonymous search features within the website

Hotspot Detection in DataCentre using Wireless Sensor Networks (IoT): Designed and implemented algorithms for hotspot detection
Classification of VidTimit Dataset using k-NN, Artificial Neural Network and SVM: Compared classification methods for accuracy
Pacman Game using Artificial Intelligence Techniques: Implemented AI techniques and integrated them in Pacman Game

Achievements

- First place – C Programming Code Junkie 1
- Most Novel Android App – City bus timetable in Google Developers Group Hackathon
- Java Certified by SEED Infotech