SANTOSH BIDVE

1005 E University Dr 201
Tempe, AZ 85281
https://www.linkedin.com/in/santoshbidve

(480) 939 1500
sbidve@asu.edu
http://santoshb.me

EDUCATION

Master of Computer Science **Expected May 2018**
Arizona State University, Tempe - **GPA 3.72/4.0**

Bachelor of Technology - Computer Engineering **Aug 2011 - May 2015**
College of Engineering, Pune, India

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, Scala, C++
Front-End: Angular, Node, React, HTML, CSS, Build Tools
Cloud : Hadoop, Spark, AWS Lambda, DynamoDB, EC2, EMR
Others : REST API, Git, Android Prog., PostgreSQL, MongoDB

COURSE WORK

Design & Analysis of Algo	Distributed Database Systems	Data Mining	Artificial Intelligence
Cloud Computing	Distributed Software Dev	Operating Systems	Adaptive Web

PROFESSIONAL EXPERIENCE

Intern - Amazon Echo Developer, UTO-ASU, Tempe, AZ **Feb 2017 - Present**

- Designing, developing and building enterprise-level innovative Alexa skill for the Smart Campus Project of ASU.
- This skill is being used by thousands of students to carry out their day-to-day tasks and academic activities with much more ease,comfort and excitement through a voice-based interface.
- Working as a Management Intern for the Analytics & Data Services Team, I have gained hands-on experience with Amazon Alexa & a range of AWS micro-services like Lambda, S3, DyamnoDB, Aurora(RDS), CloudWatch, IAM, EC2, API Gateway.

Software Engineer, Searce Inc, Pune, India **Jul 2015 - Jun 2016**

- Handled an entire module of a cloud-based people-care software as its owner. Designed the requirements specification, developed the Front-end and maintained the module(testing, pre and post release) with full responsibility.
- Worked as Full Stack Developer & got comprehensive hold on technologies like Angular, Angular Material, Python, JQuery, Jade, HTML, Stylus, CSS, GitHub, Grunt, Google App Engine.

TECHNICAL PROJECTS

Adaptive Web Content Recommendation Engine **Aug 2017 - Sep 2017**

- Developed a full-fledged behavior logging system consisting of a single page web application and a chrome extension. Implemented features like single sign-on, real time database, interactive visualization and adaptive recommendations.
- Programmed using Angular, Firebase (Auth, Database, Hosting), Twitter Bootstrap, D3.js, Node, HTML5, CSS3.

Elixir (Amazon Alexa Skill) **Jan 2017 - Feb 2017**

- Elixir is a voice enabled health assistant, aimed at providing accurate medical diagnosis based patients previous health-records and medical diseases database.
- Accomplished in 2 days, as a part of a Hackathon, making use of Node and AWS ASK, AVS, Lambda, DynamoDB services.

Geo-Spatial HotSpot Detection **Feb 2017 - May 2017**

- Performed distributed computation on Geo-Spatial Data. Implemented as outlined in the problem statement of ACM Sigspatial GISCUP 2016 to calculate the top 50 hot-spots for New York city cabs with given constraints.
- Focused on applying spatial statistics to spatio-temporal big data in order to identify statistically significant spatial hot spots using Apache Spark.

Hadoop MapReduce on Private Cloud Environment **Nov 2016 - Dec 2016**

- Built a private isolated Hadoop cluster and implemented MapReduce Algorithms, written in Java, over it.
- Deployed the cluster on private cloud to accurately analyze and process large amount of data in very less time to get the desired results. Managed cloud infrastructure with OpenStack as well as AWS by consuming their EC2 & EMR services.

Human Activity Recognition using SVM **Sept 2016 - Dec 2016**

- Developed Android app 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.

GitHub Battle App (React) **May 2017 - Jun 2017**

- Implemented an exciting React app as hobby project. Built highly reusable components and got accustomed with the React Ecosystem, JSX, React router, Webpack, Babel, AJAX request, promises, GitHub API.

Wireless Intrusion Detection System using Reputation **Jan 2015 - May 2015**

- Increased Packet Delivery efficiency as well as reduced false positives. Developed a system that uses combination of flow-based and packet based approaches along with reputation database. Published the related research paper in IJRTE journal.