

## AMISHATHAKKAR

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### **Career Summary:**

Software Development professional with 2 years' experience in IT industry. I am currently doing masters in computer science at Arizona State University. I have hands-on experience on JAVA, C, C++, Python, .Net, AWS, Google Cloud, Full Stack Development, JSP, JSF, and JDBC development projects. Seeking an opportunity to leverage my technical and professional expertise to grow in the new role at your company.

### **Education:**

Master's in Computer Science  
Arizona State University, AZ.

Aug 2017- May 2019

**GPA: 3.5/4**

Bachelor of Engineering in Computer Science  
Chitkara University, Baddi, Himachal Pradesh

Aug 2011- May 2015

**CGPA: 7.8/10.00.**

### **Skills and Abilities:**

Languages: Java, Python, SQL, C, Bash Script, C++, ASP.Net, SQL, Android  
Web Technologies: HTML, XML, JavaScript, jQuery, CSS, JSON, JSP, JSF, BOOTSTRAP, D3, Django  
Platforms and Tools: Linux, MS Office, Eclipse, PyCharm, MATLAB, Putty, Google Cloud, Tableau, Android Studio

### **Related Coursework:**

Computer Graphics, Advanced Database, Operating System, Cloud Computing, Data Mining, Assistive Technology, Foundations of Algorithm, Mobile Computing, Data Visualization.

### **Projects:**

- Developed a cloud application with the help of AWS where we provided image recognition service to users, by using cloud resources (Amazon EC2, SQS, Auto scaling, Amazon deep learning AMI) to perform deep learning on image provided by the users from front end created using PHP. Both PHP and jar file running on my Amazon EC2 instance.
- Twitter-Review Analysis: Main aim is to provide review analysis of place, food, events etc. through charts. Used Django to provide user interface. Deployed application on Google App Engine used BigQuery to store Tweets. Google Data Studio to Visualize data. Technologies: Python, Django, Google App Engine, BigQuery, Google Data Studio.
- Developed a website for disabled people implementing screen reader, easy text, voice recognition etc. using NodeJS, AngularJS
- Using MATLAB platform implemented code so that machine can understand American Sign Language using Supervised Machine Learning techniques - Decision Trees, SVM and Nearest Neighbor Search algorithms to improve the accuracy of the sign language system developed using Python.
- Implemented commands of LINUX using JAVA Language and Compared threads running time on different Environment (Core and Priority).
- Created and Loaded 3D models and implemented Translation, Rotation, Scaling, Normal Calculation and Texture Mapping using C.
- Connected two buildings far from each other. The main idea behind this project is to understand how to transfer data between two branches working on CISCO platform using RIP and OSPF algorithms..
- Creating Serendip: Topic Model-Driven Visual Exploration of Text Corpora using D3, HTML, CSS, JavaScript, JQuery, Python, and Json. Front end is created using HTML and D3 and used Python Pandas to convert CSV to Json.
- Created Application in Android where person can select specific words in the dropdown related to ASL (American Sign Language) and can record video and save it in your machine.
- Created visualizations on Tableau using Bubble Chart and Line Graph and Treemap. Created visualizations in D3 by connecting Bubble and line graph on click and line graph gets updated as per value selected in Bubble chart. Creating D3 Choropleth map and connecting Donut chart with it which will get updated as we click on any state.

### **Work Experience: (Software Engineer)**

#### **INTERNSHIP: Infosys, Mysore:**

**Jan 2015-Jun 2015**

- Trained in Infosys, Mysore for 4 months on **Java, Database Management, Software Engineering, HTML5, CSS3, and Java Scripting**. Completed a **Full Stack Web Development** project as a part of the training.
- Developed a site for three users i.e. Professor, Admin and Student who can see exam data according to the access provided to them. Worked with **JSP, JSF and JDBC** for front end and connectivity of data which is stored in **XML**.

#### **Infosys:**

**Jun 2015-May 2017**

- Worked in Infosys on Two Projects BASF and AVNET. In BASF, my work involved development of rest client services in turn involves dealing with java models to have business logic and involves interaction with the database. Worked on Admin part who has all data for stock of chemical products, client's personal information, products according to location etc.

### **Part Time Experience:**

**Jan 2018-Dec 2018**

- Graduate Service Assistant for Advanced Object Oriented with JAVA includes Design Patterns in JAVA, Object Oriented Program and Intro to Programming Languages. Teaching Assistant for Web Frameworks during summer.