Yash Ambre

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EDUCATION

MS, Computer Science (May 2019)
University of Texas, Arlington

BS, Computer Science (Aug 2017)
University of Mumbai, India

SKILLS

Programming Languages:

Python, Java, C++,Ruby

Databases:
NoSQL, MySQL, MS SQL,
Oracle Database 12c SQL

Web Technologies:
HTML5, CSS3, Javascript,
PHP, Bootstrap, React

Tools and Frameworks:
Azure, MVC, Linux, Eclipse,
Git, Selenium, CodeIgniter, Flask

RELEVANT COURSES

Software Engineering

Database Management

Distributed Database System

Advanced Database System

Software Testing

Data Mining

Web Development

ACTIVITIES

Event Head
(ACM)

Treasurer(Student Council)

Entrepreneurship Workshop by
icreate (Top 4)

PROFESSIONAL EXPERIENCE

Amazon Web Service (Software Development Engineer)   Aug 2019 – March 2020
Currently working in the hypervisor layer system service that configures network interface in a virtual private cloud of EC2

- Developed, Tested and maintained applications in Python, Ruby, Gherkin and collaborated with the EC2 networking teams to expand capacity for NGW.
- Solved high severity Operational issues during oncall shifts affecting thousands of machines and customers.

Association Of Computing Machinery (Mugshot and Captcha)   Feb 2016- Jan 2017
Developed and Maintained a website for Don Bosco Institute of Technology which helped students and teacher to Upload, share and access photos and music.

- Used Front-end tools like HTML5, CSS3 & Bootstrap with php and MySQL for Database.

PROJECTS

Geographical Clustering of Earthquakes with Azure: May 2018
- Developed a Web Application using **Flask** framework which grouped the data of earthquakes with respect to their longitude and latitudes using Machine Learning algorithm(K-means Clustering) and deployed it using **Azure.**
- Used Python,Javascript with Azure SQL DB, Microsoft SQL server database and Jmeter to measure the performance.

Document Matching Algorithm: August 2018 - Sept 2018
- Developed an application to determine similarity between word documents by calculating Cosine similarity using Python.
- Used NLTK library for stemming, Tokenization and Calculated document and term frequency with 92% accuracy.

Human Voice to Musical Notes   October 2016 - March 2018
- Built a system with Raspberry Pi 3 for Musicians & Sound Engineers to Dynamically generate musical notes 75% Faster.
- The System used Digital Signal Processing with libraries like Numpy, PyAudio and was done using Agile methodology.

Campus Car Rental Application   August 2018 - Dec 2018
- Designed a Web application using MVC, Bootstrap and deployed it using Apache Tomcat for UTA students with the additional feature of selecting SiriusXM, OnStar using Servlets in Java and testing it with Selenium and JUnit.

E-Commerce Website   Feb 2018 – April 2018
- Developed a Website as a part of an academic project with Bootstrap for the students to shop.
- Used Codeigniter framework to implement MVC based system using MySQL and Database Design principles.