YASH SHAH

Tempe AZ | 480-765-8993 | ygshah@asu.edu

www.github.com/yash95shah | www.linkedin.com/in/ygshah

SUMMARY

Aspiring software developer seeking full-time opportunities in the domain of cloud-based software development.

EDUCATION

Master of Science in Computer Engineering, Arizona State University (GPA 3.6) *May '19*

Bachelor of Engineering in Electrical Engineering, Maharaja Sayajirao University (GPA 3.52) *June '17*

TECHNICAL SKILLS

Languages:- Python, Java, C, Bash Scripting, SQL.
Operating Systems:- Linux, Zephyr RTOS, MacOS, Windows.
Frameworks:- Express**,** Spring, Apache Tomcat, Docker, Agile, REST APIs, XML, Tensorflow, VMWare.
Familiar with:- Microservices (SOAP, REST), Basic TCP/IP (DNS, Subnetting), OAuth, JUnit.
Tools:- Github, AWS EC2, Kubernetes, Google Compute Engine, App Engine, MongoDB, Cloud PubSub, MATLAB.

CERTIFICATIONS

- Google Cloud Platform Fundamentals: Core Infrastructure (Coursera) *No Expiration Date*
- Essential Cloud Infrastructure: Core Services (Coursera) *No Expiration Date*
- Elastic Cloud Infrastructure: Scaling and Automation (Coursera) *No Expiration Date*

EXPERIENCE

Google Cloud Platform Student Innovator, Google (via Vaco) *Nov '17- Present*

- Worked closely with the Google Cloud Platform teams to be the lead on campus.
- Organized trainings on Google Cloud Platform products such as Kubernetes Engine and Google Cloud APIs.
- Implemented demo projects using Google App Engine, Kubernetes Engine and Cloud Pub/Sub.

Summer Intern, Reliance Industries Limited *June '16-July '16*

- Responsible for testing and debugging around 50 microprocessor relays employed in the captive plant.
- Worked close quarters with the electrical engineers to garner knowledge of the layout of the power plant.

TECHNICAL PROJECTS

Cloud App for Object Detection of Video Streams *Feb '19 -Mar '19*

- Created a Flask-based Python Web Application which would handle multiple requests from the user.
- Fetch video stream from URL upon user's request and store the log in MongoDB.
- Implemented a controller module which spins at most 20 AWS EC2 instances based on the user's requests.
- Demonstrated load balancing and autoscaling of the EC2 instances by scaling up/ down based on need.
- Processed requests using AWS SQS and stored the object detection results in AWS's S3 buckets.

Stock Price Trend Prediction Using Sentiment Analysis of Online News Headlines *Oct '18-Dec '18*

- Developed Python Code for retrieving news headlines from Reddit and Microsoft stock prices for 10 years.
- Integrated SentimentIntensityAnalyzer to output Sentiment Polarity Scores based on the Vader lexicon.
- Developed Python code to implement MLP and Random Forests to predict the stock price trends.

Thread Programming and Device Driver Development in Zephyr RTOS *Mar '18- May '18*

- Developed a distance sensor driver for collecting the distances (HC-SR04 ultrasonic sensor) and developed a I2C based EEPROM driver in Zephyr.
- Maintained a multithreaded C programming environment for concurrent data collection and recording to the EEPROM via dual buffers.

Augmented Reality Framework Library *Oct '18- Dec '18*

- Built a Java Application which can perform pose estimation of objects using OpenCV.
- Implemented a virtual camera which would capture frames and feed it to the pose estimation.

LEADERSHIP AND EXTRACURRICULARS

Volunteer, Arizona Mentor Society *Aug '17- Feb '18*

- Weekly mentored the fifth grade students of Thew Elementary and provided them help with their classwork.

Student Verification Supervisor, ASU Admission Services *Dec '17- Sep '18*

- Managed and supervised over 50 students on how to data enter transcript information into Hyland.
- Work close quarters with the manager to assist her in the training of the new student workers.