ASHISH PRABHUNE

3207 Jefferson Ave #2, Cincinnati, OH | 513-908-1359 | prabhuah@mail.uc.edu | https://www.linkedin.com/in/ashish-prabhune/

EDUCATION

Master of Engineering, Computer Science **August 2020**
University of Cincinnati, OH

Bachelor of Engineering, Information Technology **August 2016**
University of Mumbai, India GPA: 3.53/4

EXPERIENCE

Senior Software Engineer - *Persistent Systems, Pune, India* **September 2016-July 2019**

- Developed algorithms that used brute force mechanism to settle foreign exchange transactions.
- Developed an interface which facilitated the message communication over IBM MQ supporting both point-to-point and publish-subscribe messaging.
- Built a communication API that enabled inter-process communication via TCP/IP sockets.
- Ensured 90% unit test code coverage using CPPUnit framework.
- Automated the activities such as build and deployment process, health check of the system and environment clean-up.
- Developed embedded SQL to improve the modularity and speed of the component.
- Containerization of components using Docker which enabled multiple development and testing environments for continuous deployment and testing.

RESEARCH & PROJECTS

Gest-Talk Gloves **December 2018**
Built a smart glove using Machine Learning and IoT, in order to assist speech impaired people to communicate using their hand gestures. The data from the glove was fed to the machine learning component which predicted the gesture performed. The recognized gesture is then converted to speech via the mobile application.

Face Verification using OpenFace **December 2017**
Developed an authentication system using the deep neural network model by OpenFace. It captured the images of the user through web cam and authenticated if the user is legitimate. The accuracy of the system was around 80%.

Spoof Finger Print Detection **December 2016**
Developed a model using neural network to identify real fingerprint from the spoof to minimize fraud during the process of biometric authentication. The model had accuracy over 78%.

TECHNICAL SKILLS

Languages: Java, Python, C++, CUDA
Databases : DB2, MySQL, MongoDB
Tools: Websphere MQ, Git, Unix Shell scripts, Makefile
DevOps: Docker

AWARDS & ACHIEVEMENTS

- Awarded 3rd prize for paper “GestTalk – RealTime Gesture to Speech Conversion Glove” at 3rd International Conference on Data Management, Analytics & Innovation, Lincoln University, Kuala Lumpur, Malaysia
- Recipient of Excellence in Technology Award for research contributions at Persistent Systems.