

JOY TERENCE BARNES

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EMPLOYMENT

Senior Technical Associate

Avaya Telecommunications

July 2017 - current

- Avaya CSDK
Worked on improving the performance and dealt with fixing bugs in Avaya CSDK, which is used by all the Avaya applications and third-party developers.
- WebRTC with Voice
Added voice control for Avaya's WebRTC client to make p2p and conference calls while supporting various mid-call features.
- Avaya Equinox Windows Automation
Worked on CI/CD making use of tools like Bamboo, Jenkins, GCP, TestNG, J-Unit, Selenium, Winium. Achieved automating the process of deploying server, provisioning users followed by execution of unit, functional, regression TCs in Equinox Windows platform. Results were shown on Hygieia.
- Customer Satisfaction Determination.
Worked on a project that presented a time-stamped tracking of behavior and reaction of person on the other end of the video call. This was used to gain valuable insights in cases such as pitching a product or the improvements in the existing product to the customer.

EDUCATION

R.V College of Engineering, India

August 2013-May 2017

- B.E in Computer Science and Engineering
- Cumulative GPA: 9.4/10

St. Mary's PU College, India

May 2013

- Percentage: 92%

TECHNICAL STRENGTHS

Languages	C, C++, Python, JavaScript
Frameworks	TensorFlow, Django, Git, React, React-Native, Keras, TestNG, GraphQL, MySQL
Tools	Jenkins, Bamboo, Eclipse, Android Studio, GitHub, Visual Studio, Atom
Platforms	Linux (Ubuntu), Windows

PROJECTS

- **View 360°** *Hackathon, Amadeus and Oracle*
A Website that gives virtual tour of best hotels to the user, when he/she enters their destination. Created using Javascript, Python, Flask, SQL, Aframe.js.
Won first place in the hackathon with a team of 4.
- **Face Generation using Generative Adversarial Networks** *Major Project, 8th Semester*
Worked on generation of faces using trending deep learning network, GANs. The faces generated by the neural network were realistic and completely unique that is, they were not a part of dataset fed to the network. This was implemented using Tensorflow.
- **Medicine Equipment Database** *Database Management Systems, 5th Semester*
Implemented an online database for hospitals to obtain a list of medical equipment suppliers and their inventory for purchase. Also added a pharmacy database for doctors to prescribe medicines depending on their availability. The solution was implemented using MySQL. The interface was created using HTML5 and CSS3.
- **Opinion Mining** *Minor Project, 7th Semester*
Designed a system to analyze real time tweets to generate the sentiment of a given product among its users. This was implemented in Python using the Tweepy package to obtain real time test tweets for a given query and NLTK package for generating the sentiment of the test tweets.
- **Smart News Suggestion**
Developed a Java software that takes image of a news from any newspaper as input and returned relevant news/articles of the same topic from other news sources, providing a wider perspective of the same topic to the reader. This was created using Java, OpenCV, Swing.

RELEVANT COURSES

- **Computer Science:**

Advanced Algorithms	Data Structures	Operating Systems
Computer Networks	Machine Learning	DBMS
Compiler Design	Micro Processors	Computer Architecture Organization
- **Mathematics:**

Graph Theory	Discrete and Integral Transforms	Numerical Optimization
Linear Algebra	Probability	Differential Equations