Denver Lobo

Lynchburg, VA 24502
https://denverlobo.github.io/portfolio/
321-616-2012   dlobo2016@my.fit.edu

Education

Florida Institute of Technology, Melbourne, FL   May 2018
Master of Science in Computer Science GPA 3.1

Visvesvaraya Technological University, Karnataka, India   Jun 2013
Bachelors of Engineering in Computer Science

Skills

Java, Python, C, C++, C#, vb, AngularJS, JavaScript, HTML, CSS, shell script, PostGres, mongoDB, SQL, SVN, Spring, maven, TensorFlow, PyTorch, Git, AWS, OpenSSL, Docker, Kubernetes

Experience

L3HARRIS Technologies, Lynchburg, VA   Aug 2019 – Present
Specialist Software Engineer
- Build application framework using AWS services using AngularJS; Backend in Java
- Integrate oauth2 flow using 3rd party authorizer with spring boot and spring security
- Scripts to generate device certificates at factory for AWS IoT and provision devices

Contec Americas Inc., Melbourne, FL   Jul 2018 – Aug 2019
Software Engineer
- Reduced downtime for embedded systems via system automation
- Provisioning devices with runtime registration using AWS services and OpenSSL
- Designed and implemented IoT framework using AWS
- Designed custom libraries and applications to achieve secure systems in C/C++ and python

Florida Institute of Technology, Melbourne, FL   Aug 2016 – May 2018
Machine Learning
- Presented research paper regarding Learning Time Reduction in the Neural Network Back-Propagation Algorithm in Python achieving faster convergence
- Designed algorithm with reduced time complexity in time dependent shortest path
- Implementing speech command recognition on raspberry pi in python using CNN, Keras

Data Analysis
- Presented research paper on Accidents Network Identification through Complex Networks formation using python and mongoDB

Tech Mahindra, Bangalore, India   Jan 2014 - Jun 2016
Software Engineer
- Developed online transportation system using AngularJS for UI; Backend programmed in Java
- Drafted requirement documents for various modules developed in Java and designed POC's
- Validated code against SQL injection attacks and security intrusions
- Monitored production code and created J-unit autonomous test cases
- Integrated code with custom front-end framework, XMF services, Maven, Grunt, NPM, Bower, Nodejs and digital certificates and followed Agile process

IBM India, Bangalore, India   Aug 2013 - Jan 2014
Technical Support Representative
- Provided analysis and critical support for utilities to operators using SAP tools

Visvesvaraya Technological University, Karnataka, India   Aug 2009 –Jun 2013
Client-Server Based Student Information System
- Developed notification system for university delivering academic updates to user's desktop
- Designed client-server architecture and design including tables in C# and SQL Server

Projects

- Implemented convolutional neural network using TensorFlow, AWS, python to classify images
- Developed predictor for campus dining hall to predict student count to reduce food wastage
- Design and integrating the capture module for autonomous vehicle IGVC
- Assembled and implemented Google voice assistant in Raspberry Pi
- Developed Flight Simulator using glut computer graphics libraries in OpenGL and C

Honors

- Certifications in Machine Learning, CNN, NLP, autonomous driving, Microsoft Certified 70-735