

# Denver Lobo

Melbourne, FL 32901

<https://denverlobo.github.io/portfolio/>

321-616-2012 [dlobo2016@my.fit.edu](mailto: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

**Contec Americas Inc., Melbourne, FL**

Jul 2018 - present

*Computer and Systems Engineering Intern*

- Reduced downtime for embedded systems via system automation
- Provisioning devices with runtime registration using AWS services and OpenSSL
- Designed and implemented IoT architecture 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
- Implemented supervised learning algorithm for tic-tac-toe using Python
- 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

*Database*

- Generated and maintained 5GB database for Student Management in MySQL using Java

**Tech Mahindra, Bangalore, India**

Jan 2014 - Jun 2016

*Software Engineer*

- Developed online transportation system using AngularJS; 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 used by 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

- Pursuing Deep Learning Foundation Nano-Degree, Udacity
- Certifications in Machine Learning, CNN, NLP, autonomous driving, Microsoft Certified 70-735