

# Denver Lobo

2908 Emory St, Melbourne, FL 32901  
<https://denverlobo.github.io/portfolio/>  
321-616-2012

## 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#, .NET, AngularJS, JavaScript, HTML, CSS, shell script, mongoDB, SQL, SVN, Spring, maven, TensorFlow, PyTorch, Git, AWS, OpenSSL, Ansible, Docker, Kubernetes

## Experience

### Contec Americas Inc., Melbourne, FL

Jul 2018 - present

#### Computer and Systems Engineering Intern

- System automation achieving reduced downtime of embedded systems
- Provisioning devices with runtime registration using AWS services and OpenSSL
- Designed and implemented IoT architecture using AWS for distributed applications in python
- 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 for time dependent shortest path with optimized time complexity
- Implemented artificial neural network and Tic-tac-toe using supervised learning in 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 network in 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 its 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 using Raspberry Pi
- Developed Flight Simulator using glut computer graphics libraries in C

## Honors

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