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, JSP, shell script, mongoDB, SQL, PLSQL Developer, SVN, spring, maven, TensorFlow, Git, AWS

Experience

Contec Americas Inc., Melbourne, FL   Jul 2018 - present
Computer and Systems Engineering Intern
- System automation achieving reduced downtime
- Zero-touch provisioning devices with automated runtime registration on AWS using OpenSSL
- Designed and implemented IoT architecture using AWS for distributed applications in 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
- Presented Requirements Specification Document for automated self-checkout grocery store

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 database design including tables creations 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