

Denver Lobo

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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
- Pre-provisioning devices with X509 certificates with automated runtime registration on AWS
- 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 daily 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