Jithin John Eapen

Master's Graduate with 8 years experience

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SUMMARY

I am a 2019 graduate of MS in computer science, with interests in Parallel & Distributed Computing, Machine Learning, and having a broad experience in software development. I am interested in working in the area of High-Performance Computing.

EDUCATION

M.S. Computer Science - *California State University Fullerton*

Graduated - May 2019

B.E. Computer Engineering - *University of Pune*

Graduated 2010

EXPERIENCE

Technology Analyst - *Infosys (current)*

1 year 6 months

- Develop and maintain autosys batch jobs, linux shell and python scripts, powercenter workflows for various loading, and transform operations.
- Maintain .net and java API and message queue applications.

Research assistant - *California State University Fullerton*

8 months

- Research on Incremental machine learning regression models, for predicting fuel quality using physical properties of natural gas.
- Used MQTT protocol to stream IOT sensor values through message queues, to the back-end web application.

Senior Software Engineer - *Accenture*

4 years

- Developed mobile applications used by 20,000 users.
- Trained new joinees of the company.

Programmer Analyst - *Godrej Infotech*

3 years

- Implemented ERP systems for 5 clients.
- Integrated ERP with external systems.

SKILLS

- Python, C#, C
- MPI, CUDA, MQTT, Docker
- MongoDB, MS SQL, MySQL
- Scikit-Learn, Keras
- Windows Phone, MVC ASP .Net, MS Test, WCF, Dynamics AX

CONFERENCE PAPER

IEEE CCWC 2019 - *Novel Deep Learning Model with CNN and Bi-Directional LSTM for Improved Stock Market Index Prediction*

Proposed a multi-pipeline deep learning model for prediction on a sequential time-series dataset of stock indexes. Compared the model with existing single pipeline deep learning and Support Vector Regression models. Implemented model using Keras, and found optimal parameters using GridSearchCV.

AWARDS

Accenture Celebrates Excellence award for automating system-monitoring tasks, resulting in daily 1 hour of saved effort.

TRAININGS GIVEN

- Conducted 4 Boot camp sessions on Installation & Configuration, Deployment of Dynamics AX, and on X++ Queries.
- Trained the Technical team at client site on MorphX Development.

ACADEMIC PROJECTS

Titan Mars Rover - Robotics project

Technologies used: ROS, 2D Lidar, Arduino, Raspberry Pi, Jetson Tx2, Deepstream, Python, Stepper motors

Used ROS to map the environment with a 2D Lidar Point Cloud. I developed the Science module of the rover with an Arduino, reading sensor values like Temperature, Pressure, UV Light etc., and publishing it to a deepstream server via a raspberry pi. Used a stepper motor to control the motions of the science arm.

Twitter Sentiment Analysis

Technologies used: Twitter API, MongoDB, MySql, MVC Asp .Net, Microsoft Cognitive Services Text Analysis API

Created a web application that can be used by any company to search for tweets associated with the company and perform Sentiment Analysis on the tweets to find negative opinion about the company, and create a Service ticket for the CRM team.

Message Queuing System using RabbitMQ

Technologies used: Java Spring, RabbitMQ, MySql

Developed a publisher/subscriber model for a News publisher populating a queue with stories, that are read by subscriber applications interested only in specific topics of interest.