

Divya Emmanuel

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Education

Northeastern University, Boston, MA

Master of Science in Information Systems

May 2019

Relevant courses: Advances in Data Science and Architecture, Big-Data Systems and Intelligence Analytics, Database Management and Database Design, Application Engineering and Development

Anna University, Chennai, TN, India

Bachelor of Engineering in Electronics and Communication Engineering

May 2015

Technical skill

Programming languages:	Python, SQL, Java, C, C++
Database Management Systems:	Microsoft SQL Server, MySQL
Operating Systems:	Windows Server 2008 r2/2012 r2, Windows XP, Linux
Other Technologies:	Docker, VMware 5.5 and 6, AWS, Apache Spark

Academic Projects

Northeastern University, Boston, MA

Brand logo visibility using Convolutional neural network (CNN)

March – April 2018

- Designed a CNN model to recognise 25 different brand logos for a given image; created a web application using flask for the model and hosted the application on EC2 instance of aws using amazon S3 bucket; the web application also used to compare the designed model with inception v3 pretrained model

Stock prediction using market data and twitter sentiment analysis using LSTM

March – April 2018

- Built a LSTM model that predicts next day open price of a stock market for a company using market data and sentiment measures by twitter sentimental analysis

Machine Learning on Energy Dataset

March 2018

- Performed Exploratory data analysis; implemented Feature Engineering; modelled four prediction algorithms to compare best algorithm for the dataset; used various tools and packages for Feature selection; and validated the model with hyper parameter tuning method and finalised pipe line with best prediction model for the data

Data wrangling and Web scrapping from EDGAR data using Python

February 2018

- Web scrapped the U.S. SEC's EDGAR filing data and log files to detect anomalies for given company name and year; Dockerized the application and published to Amazon S3

Server Administration Database System

November – December 2017

- Designed a redundant free accurate Database to maintain Server administration details by creating ER Model and reverse engineered DDL script in MySQL; Hosted the database in a remote Server with different user functionality and modelled the database with required procedures, views, triggers and subqueries

Social Earth – A CSR Application for Event Management

November – December 2017

- Programmed a Java Swing application for 'Social Events Management' using Ecosystem Model
- Implemented Google Talk chat application along with email notifications and used Google Maps Geocoding API to provide shuttle services; Analysis was done and projected using jFreeChart API

Experience

TATA Consultancy Services Limited, Bangalore, India

May 2015 – June 2017

Software Engineer

- Administered 1000+ servers and deployed various critical server changes using SCCM
- Involved in server build team and handled **Vulnerability management** to ensure Information security on servers; Performed SQL Server deployments using SSMS, SSIS and SSRS

Achievements

- Received "**Star of the Month**" award for outstanding contribution to the organization and "**On the Spot**" award for work excellence when completed a urgent client request before the deadline
- Awarded "**Certificate of Excellence**" in appreciation of outstanding contribution towards delivering excellence by PricewaterhouseCoopers