Atharva Niranjan Joshi

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SUMMARY

I am a Data Science Master's Student at the Queen Mary University of London. I have also done a Post Graduate Diploma in Data Science. I am looking for a placement year or a full-time job in Data Science, software or all related fields like Cloud and Big Data starting from September 2021. I wish to bring a positive change to the world using the power of data. I am originally from India and I love to read and play the keyboard.

SKILLS

Data Science: Python, SQL, Familiarity with Keras
Programming: C#, ADO .Net, ASP .Net Web API, Python, Familiarity with Flask
Mobile Application Development: Xamarin.Forms

EXPERIENCE

Systems Engineer, Infosys Limited *Sep 2018 - Sep 2020*

1. Developing Cross-Platform Applications (Android and iOS) in Xamarin.Forms Technology based on C# and XAML using DevOps methodology. Used Azure AD for authentication and Azure APIs for data retrieval and storage.
2. Played a pivotal role in the Development and Implementation of Pilot Projects and ensuring high-quality deliverables.
3. Trained in C#, SQL, ADO .Net, Entity Framework and ASP .Net Web API
4. Effectively collaborated with team members to ensure smooth functioning and progress of the project.
5. Coordinated with clients to understand and implement complex requirements.
6. Arranged and presented POC Demos for upper management as well as the client.
7. Awarded with a Certificate of Appreciation for my performance in the company

EDUCATION

Master of Science (MSc.), Big Data Science with Industrial Experience *Sep 2020 - Sep 2022*
Queen Mary University of London Percentage: Distinction (93.12%)
Post Graduate Diploma, Data Science *Apr 2019 - Feb 2021*
IMS ProSchool, Pune, Maharashtra, India Grade: A
Bachelor of Engineering (B.E.), Information Technology *Jul 2014 - Jul 2018*
Savitribai Phule Pune University, India Percentage: 63.61
12th (Equivalent to A - Level in the UK), Computer Science *Feb 2013 - Feb 2014*
Maharashtra State Board, India Percentage: 71.69
10th (Equivalent to GCSE in the UK), *Mar 2011 - Mar 2012*
Maharashtra State Board, India Percentage: 84.55

MODULES FOR MASTER'S

- Natural Language Processing
- Applied Statistics
- Big Data Processing
- Data Mining
- Machine Learning
- Deep Learning and Computer Vision
- Neural Networks and NLP
- Cloud Computing

CERTIFICATIONS

- Infosys Xamarin Certified Developer
- Infosys Certified Python Programmer and Python Associate
- Mathematics for Machine Learning: Specialisation by Imperial College London - Coursera (Linear Algebra, Multivariate Calculus and PCA(Pending))

PROJECTS

Neural Machine Translation and Neural Dialogue Systems (April 2021)

Implemented a version of the seq2seq NMT model, and then you will enrich that with attention, using a pre-trained BERT as a classifier model, implemented a series of dialogue act taggers and created an end-to-end dialogue system.

Student Management System on Cloud (March 2021)

Used Cassandra as a database and hosted that on Azure Cosmos DB. Using Python and Flask, I created APIs for interacting with the database. I created a simple HTML GUI and hosted my website on Azure Web App Service. Implemented various features like HTTPS, Hash-Based Authentication and Role-Based Database Access Policies.

Usage of Generative Adversarial Nets (February 2021)

Understood and applied Generative Adversarial Nets on the MNIST dataset. Used Pytorch for this project.

Word Representation and Text Classification with Neural Networks (February 2021)

A University module project in which I did the above tasks using my own word embedding as well as using Glove Embeddings. I used various algorithms like LSTM and CNN to achieve these tasks. Finally, I applied all of this to real world text classification tasks

Super-resolution using Convolutional Neural Networks (January 2021)

Understood and applied Convolutional Neural networks for the purpose of Super-Resolution on the MNIST dataset. Used Pytorch for this project.

CRF Tagging of Movie Queries (December 2020)

Tagging on the movie queries dataset first done using IOB tags and then improved by adding more features and using POS tags. Achieved a Macro Average F Score of 0.73

Deception Detection of Amazon Reviews (October 2020)

Detecting whether an Amazon review is fake or not by performing necessary preprocessing and using Support Vector machines for prediction thus achieving 80% accuracy.

Sentiment Analysis of Tweets (January 2019-February 2019)

Extracting tweets using Tweepy Library, understanding data, creating word clouds and then perform sentiment analysis using Logistic Regression, Decision Tree and Neural Networks by TF-IDF vectorizer.

Survival Prediction on RMS Titanic Dataset (September 2019-October 2019)

Performing Exploratory Data Analysis on RMS Titanic dataset and using various prediction techniques like Logistic Regression, Decision Trees and Random Forest and deciding which gives the best results by Hyperparameter tuning.

PUBLICATIONS

- E-Health Monitoring and Detection using Wireless Sensor Networks 2018- *International Engineering Research Journal*

OTHER PERSONAL INFORMATION

- Fathers Name: Niranjan Manoher Joshi
- Alternate Email Address: atharva.j@hotmail.com
- Alternate Contact No.: +91-9823022320
- Nationality: Indian
- Languages Known: English, Marathi and Hindi