SuvodeepMajumder

Contact

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Subjects

- Algo for Data Guided BI
- Foundation of Data Sci.
- Adv. Learning and data Analysis
- AI

Skills

- Python, R, Java, Ruby
- Microsoft SQL Server, Oracle PL/SQL, MarkLogic, MongoDB
- Apache spark, Kafka, Weka, Elastic Search
- sklearn, Matplotlib, Tensorflow, AutoML, NLTK

Publication

500+ Times Faster Than Deep Learning, **MSR,2018**

Career Objective

An opportunity that will allow me to utilize my problem-solving skills and apply them in the field of Artificial Intelligence and Data Science to solve software engineering problems.

Projects

- **Large Scale Socio-Technical Graph Mining**

  Developed a large-scale system for mining software engineering project repository for analyzing impact of developer code and social interaction on code quality using Social Network Analysis.

- **Contextual Data Shift Analysis**

  Performing research on identifying contextual shift in data to retrain model before performance is impacted.

- **Machine learning and Data Analysis**

  Developed a locality-based model for classifying Stack Overflow questions for similarity, by utilizing clustering algorithm to create local clusters and training a SVM with hyperparameter tuning using Differential Evolution, which boosted training time by 1000 fold compared a Deep Learning Model, with similar results.

- **Active Learning**

  Developed a hyperparameter optimized active learning-based agent for identifying reliability of different news sources using minimal labeled data and learning from interesting observation with different initialization.

- **Content-based Song Popularity Prediction**

  Developed a song popularity prediction system using acoustic attributes of songs using a naive bayes tree method to boost prediction result.

- **Recommendation System**

  Developed Spatially Aware Recommendation Algorithm for movie recommendation to users, using their previous choice of movies and rating along with taking their location into consideration using clustering and collaborative filtering.

Education

2019 - 2023	**PhD in Computer Science**	North Carolina State University
2017 - 2019	**MS in Computer Science [4.13/4]**	North Carolina State University
2008 - 2012	**B.Tech in Computer Sci. and Engr. [8.21/10]**	WBUT, India

Experience

IBM(Data Scientist Intern) June,2018 - Aug,2018
Raleigh, NC

- Worked as part of DevOps insight team as a data scientist research intern to analyze open source and enterprise projects and create insights for individual projects.
- Worked with large scale system using spark cluster and python to analyze terabytes of software project raw data and create meaningful usable form to be used in machine learning algorithms.
- Created meaningful insights that would help teams understand and manage software development better.

Infosys Ltd.(Test Analyst and Test Engineer) March,2013 - June,2017
Bhubneswar, India

- Worked as a Quality Assurance lead managing a group of Test Engineers and Automation Engineers.
- Created Test Scenarios for Automation, Manual, Performance testing scenarios for web-based portal, Mobile Application and IVR systems and developed Automation Scripts of Mobile Application using selenium/ Perfecto Mobile and IBM RFT/Perfecto Mobile using Java and Perfecto Framework.