Sarbajit Saha

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Education

B.Tech in Computer Science And Technology
Indian Institute Of Engineering Science And Technology (IIEST), Shibpur (2014-2018)
(**CGPA – 8.67/10** till 6th Semester)

Higher Secondary (10+2)(CBSE Board)
South Point High School (2014)
94% secured

Secondary (10) (WBBSE Board)
South Point High School (2012)
90.3% secured

Publications

Measuring Similarity among Legal Court Case Documents - paper published in **COMPUTE-2017 conference**

Co-authored with Prof. Saptarshi Ghosh - IIT KGP, Prof. Kripabandhu Ghosh - IIT Kanpur and Dr. Arindam Pal - TCS Research

Experience

1. Internship under **Professor Saptarshi Ghosh** (IIT Kharagpur) *May 2017 – June 2017*

- Measured textual similarity between legal documents.
- Dataset Used – Indian Supreme Court Cases
- Methodologies Used – Word2Vec, Doc2Vec, Tf Idf, Topic Modelling (LDA)

2. Internship under **Professor Sipra Das Bit** (IIEST Shibpur) *December 2016 – January 2017*

- Analysis of legal documents and extraction of relevant text snippets using Natural Language Processing techniques
- Dataset Used – Indian Supreme Court Cases

3. PHP Developer (Intern) | **MindStretch** *January 2016 – July 2016*

- Worked on Project AppConnect which consisted of the development of an Enterprise Service Bus based on PHP and XML.
- Worked with several ecommerce frameworks including **Prestashop, Magento, Woo Commerce**.

Projects (More projects available at https://github.com/sarbajitsaha)

1. Pierra
- An Android app which applies the styles of famous painters such as Picasso, Pierre, da Vinci onto your images.
- Built using Tensorflow Mobile and OpenCV Library.
- Featured in popular website – XDA Developers
- https://play.google.com/store/apps/details?id=com.saha.pierra

2. A Comparative Analysis of Various Community Detection Algorithms
- Different community detection algorithms were applied on the DBLP dataset (https://snap.stanford.edu/data/com-DBLP.html).
- The community detection algorithms considered were Infomap, Walktrap, Louvain, Markov cluster and OSLOM
- The results were compared with the ground truth using various cluster evaluation measures.
- Measures used - Rand Index, F-Measure, V-Measure, VI-Measure and NVI-Measure
- https://github.com/sarbajitsaha/Cluster-Comparison-Algorithms

3. Chip 8 Emulator
- Coded in C++
- Testing implemented using Catch Framework
- https://github.com/sarbajitsaha/Chip-8-Emulator

4. Batch Uninstaller - Android App
- An Android app that allows uninstallation of multiple app at once.
- Follows MVP architecture.
- https://github.com/sarbajitsaha/Batch-Uninstaller

Skills

Programming Languages

- ★★★★★ - C, C++, Python
- ★★★★☆ - PHP, Java, SQL
- ★★★☆☆ - HTML, CSS, Racket(Lisp), Javascript

Frameworks

- Graph Libraries- SNAP, Community Detection Algorithms (e.g. Infomap, OSLOM)
- NLTK libraries - Doc2Vec, Word2Vec, LDA Topic Modelling, TfIdf
- Android Libraries - OpenCV, Tensorflow Mobile, Retrofit, Picasso
- Backend Libraries - Laravel, Flask (Python)
- Frontend Libraries - JQuery, VueJS(JS), BootstrapCSS (CSS)