saurabhmathur96.github.io
github.com/saurabhmathur96

Saurabh Mathur

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Work Experience

Intern — Microsoft Technology Center, Bangalore — Summer 2016

Movie Recommendations

- Surveyed the domain and existing product recommendation algorithms.
- Developed algorithm pipelines to recommend movies using similarity and rating history.
- Built and deployed a movie-recommender web application to the cloud using Azure Machine Learning.

Developer & Server Administrator — graVITas' 16, VIT Vellore — Winter 2015 - Fall 2016

Portals

- Made the management of VIT's Annual Technical Fest paperless - via 12 online portals.
- Implemented an event/workshop recommendation system.
- Developed a REST API for Windows, Android and iOS applications.

Education

Vellore, TN — VIT University — Fall 2014 – Now

- Pursuing B.Tech. in Information Technology Engineering. CGPA: 8.78/10
- Relevant Coursework: Artificial Intelligence; Linear Algebra; Theory of Computation; Database Systems; Operating Systems; Data Structures and Algorithms

Technical Experience

Projects

- `happy-and-you-know-it` (2017) Detects emotions from an image using deep residual learning with 66.5% accuracy; Human accuracy is 65±5%. Python, Keras, JavaScript
- `clickbait-detector` (2017). Detects clickbait headlines using deep learning with 90% accuracy. Python, Keras, NLTK.
- `digit-classification` (2016) Compares the predictions of various deep learning architectures on handwritten digit classification. Python, Tensorflow, JavaScript

Publications

- Classification of text documents using association rule mining with critical relative support based pruning. Published in Proceedings of **ICACCI-2016, IEEE**.
- Decision Making Using Fuzzy Soft Set Inference System. Published in Proceedings of the **ISBCC–16', Springer**.

languages and technologies

- Python; R; Ruby; Lua; C#.NET; SQL; JavaScript; Node.js; Java; Scala; C++; C;
- Tensorflow; Torch; Cognitive toolkit; NLTK; MongoDB; PostgreSQL; RStudio; d3.js; Bash; Latex