

Parul Sethi

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SUMMARY

I am primarily interested in Data Sciences, Applied Mathematics and Bio-inspired Computing. Scope of my projects also include Computational Linguistics and Insilico Biology.

EXPERIENCE

Google Summer of Code

May 2017 - Aug 2017

Organisation: NumFOCUS

RaRe Technologies

Nov 2016 - March 2017

Incubator Student

Navsam Pvt. Ltd., Gurgaon

June 2015 - Aug 2015

(E-commerce) Android App Developer

Autonomi, Robotics Society of Cluster Innovation Centre

Jan 2016 - Jan 2017

Inventory Manager and Treasurer

PROJECTS

Comparing the Word Embeddings Models

Nov 2016 - Jan 2017

To compare the three embedding models, Word2Vec, FastText, WordRank and highlight their specialized performance on NLP benchmarks. Also implemented python wrapper for WordRank, in Open-Source NLP library Gensim.

PREDICTING PARKINSON'S DISEASE STAGE

Sep 2016 -

Nov 2016

To predict the progression of parkinson's disease by analyzing the tele-monitoring data of patient's different voice measures.

UNSUPERVISED OBJECT RECOGNITION

June 2016 -

Aug 2016

To automatically learn object category models from Internet image search engine for the recognition task using probabilistic latent semantic analysis (pLSA) and visual words approach.

HEALTH APP FOR CANCER PATIENTS

Aug 2016

An android app for cancer patients having features to manage their appointments, prescriptions, dosage etc. and contains information regarding NGOs (type and extent of support they provide) and hospitals (available treatments).

Holistic Approach of Fighting Cancer (University Funded Project)

Oct 2015 - Oct 2016

To recognize patterns (for deducing DNA's structure) in oligonucleotides of some organisms having SNPs in the k-mer sequence responsible for cancer, and studying its interaction with specific cancer drugs, using the experimental biological techniques.

EDUCATION

CLUSTER INNOVATION CENTRE, UNIVERSITY OF DELHI

B.Tech | Exp. May 2018

Majors: Information Technology and Mathematics

Minors: Systems biology

SKILLS

Scientific Computing, UI Design, Web development

Languages:

Python, Java, Matlab, R

Operating Systems:

Linux, OS X, Windows

Softwares:

Android Studio, Sublime, Microsoft Design, Arduino

WORKSHOPS

Gamelab Workshop, ZMQ (Designing prototype for social games)

Nov 2015

Robotics Bootcamp, CIC, DU

Feb 2015

TALKS

‘Comparing Word Embeddings with Gensim’ at PyDelhi Conference’17. Slides [here](#)

WEB

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