Avisha Das

https://dasavisha.github.io/
adas5@uh.edu | 832.940.8372

EDUCATION

UNIVERSITY OF HOUSTON
PH.D. IN COMPUTER SCIENCE
Expected May 2020 | Houston, TX
Cum. GPA: 3.7/4.0
Research Interests
Data Analytics, Information Retrival
Machine Learning, NLP
Deep Learning

WEST BENGAL UNI. OF TECH.
B.TECH IN ELECT. & COMM. ENGG.
July 2014 | Kolkata, India
Major GPA: 9.18 / 10.0

SOUTH POINT HIGH SCHOOL
Grad. May 2010 | Kolkata, India

LINKS

Github:// **dasavisha**
LinkedIn:// **avishadas**

COURSEWORK

GRADUATE
Advanced Natural Language Processing
Natural Language Processing
Machine Learning
Data Mining
Advanced Operating Systems
Advanced Numerical Analysis
Data Analytics and Security

SKILLS

PROGRAMMING
Languages:
Python • R • MatLab • Shell
C/C++ • Java • Ruby • LaTeX
Softwares & Libraries:
Weka • NLTK • SciKitLearn • SciPy
TensorFlow • Keras

EXPERIENCE

UNIVERSITY OF HOUSTON | GRADUATE TEACHING ASSISTANT
August 2016 – Present | Houston, TX
- Data Structures & Algorithm Design
- Software Design & Compilers

2H OFFSHORE INC. | DATA SCIENCE INTERN
Jun 2017 – Aug 2017 | Houston, TX
- Predictive analytics using ANN time series based model for fast, reliable and effective Fatigue Damage Estimation in Drilling Riser Technology for Offshore Vessels.

UNIVERSITY OF HOUSTON | RESEARCH ASSISTANT & WEB ADMIN.
Feb 2015 – Present | Houston, TX
- Analysis and Detection of Phishing URLs
- Machine Assisted Semantic Understanding of Source Code
- Single Document Summarization: Submodular Optimization Models and Distance-Based Evaluation Metrics
- Exploratory Analysis of textual newswire domain articles

PUBLICATIONS

JOURNALS & PAPERS
Identifying Reference Spans, Discourse Facets and Summarizing: Experiments with Language Models, Transfer Learning and Entailment | Scientometrics Journal, IR-2017 (Under Review)
University of Houston @ CL-SciSumm 2017: Positional language Models, Structural Correspondence Learning and Textual Entailment | BIRNDL@SIGIR17
What's In an Address: Fast Feature Extraction and Detection of Malicious URLS | IWSPA@CODASPY17

POSTERS
What's in a URL: Fast Feature Extraction and Detection of Malicious URLs | WiCyS'17
Detection and classification of Phishing URLs | GHC'17
Are Legit and Phishing URLs similar? Lexical Analysis of URLs | WiCyS'16

AWARDS

Scholarships

2014-2017	Doctoral Student Fellowship	University of Houston
2010-2014	Scholarship for Undergraduate	MHRD,India

Travel Grants/Misc.

2017	HackRice: Disaster Response Using Social Media Data Track	Winner
2017	Intl. Wkshp. on Security and Privacy Analytics	Author
2016-2017	Women in CyberSecurity	Scholar
2016	Grad Cohort Workshop for Women (CRA-W)	Attendee