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| Siddhant Gawsane  Data Scientist  F1-OPT EAD Dallas/New York | (682) 203-8916  siddhant.gawsane@mavs.uta.edu  **g** github.com/siddhantgawsane  **in** linkedin.com/in/siddhantgawsane |
| RESEARCH EXPERIENCE**IDIR Labs at UTA**, Arlington Tx — *Research Assistant*DEC 2015 - SEPT 2016 ClaimBuster – SVM based algorithm classifies a sentence into ‘fact’ or ‘non-fact’ using NLP, text mining, sentiment analysis and probablistic modelling  Live stream demos for the 2016 Presidential debates using closed captions  Organizing, pulling, cleaning, munging and storing training data. Data Visualizations in D3.js, chart.js, tableau EDUCATION - MASTERS IN COMPUTER SCIENCEThe University of Texas, Arlington Tx — *Master Of Science*DEC 2017 (anticipated), FOCUS - Data Science/Artificial Intelligence, GPA 3.65  |  |  | | --- | --- | | **Machine Learning** ‘News Groups’ for news articles using tf-idf, niave bayes – 74% accuracy  Species of the iris plant using linear regression, KNN cluster– 88.8% accuracy  Dimensionality reduction experiments on sparse datasets using PCA, LDA like approach | **Data Mining** Tf-Idf text mining based document search based on a corpus of election debates from 1960-2012  Kaggle competition Home Depot product suggestions based on search query with score 0.57 and rank 129  Hadoop map-reduce queries for department wise sales data, web-logs etc | | **Neural Networks** Building auto-encoders for the pen digits problem using Keras, Theano and from scratch, and testing ease of use, RMSE and running time on each | **Adv. Topics in Scalable Image Search** SIFT/SURF/ORB based feature extraction and object recognition projects | | **Artificial Intelligence** Comparing Bayesian Networks, Decision tree/forest, Naive Bayes, KNN approaches to predicting Pen Digits, LandSat, Yeast datasets - 57-84% acc  Game play, Minimax, a/b pruning | **Web And Social Analytics** Text Summarization – Extracting actionable insights from Yelp reviews using k-means clustering. Pointing out top 10 most frequent topics for a restaurant. ROI upto 750$/month |  Pune University, Pune, India — *Bachelor of Engineering*MAY 2013, FOCUS - Information Technology, GPA 3.41WORK EXPERIENCE – 5+ Years**Mouser Electronics**, Mansfield Tx —*Info Services Intern*JUNE 2016 - DEC 2016 Collaborating with stakeholders, UX Designers, testers on a close knit team  Advocating UX best practices, migrating business logic to front-end.  Building SPAs, stand-alone widgets in KnockoutJS, requireJS, underscoreJS  AJAX/JSON REST API on Django/Python, NOSQL database objects MongoDB | SKILLS Deep learning, machine learning, data mining, data visualizations  Map reduce, bayesian statistics, model training, data fitting, test/train split, feature engineering, data gathering  Bayesian statistics, hypothesis tests, statistical tests, distributions, maximum likelihood estimators  Applied mathematics, statistics, probability theory, related fields  Kernel learning, SVM, bayesian networks, probabilistic modeling, neural networks, CNN, CPU/GPU, p-value estimates, Kmean clustering, gaussian processes, k-nearest neighbors, random forests, ensemble methods  Theano, Keras, OpenCV, NLTK, scikit-learn, LibSVM, Pandas, MatPlotLib, D3.js, NumPy, SciPy  Hadoop, Spark, Flink, PIG  AWS, GCP, MS Azure, IBM Bluemix  ES6, NPM, Bootstrap, Jquery, Knockout, React, Backbone, Angular, Cocoa, Ember, Node  Confluence, JIRA, Jenkins, Slack, Maven, Bugzilla, Cassandra, JUnit  TDD, Jasmine, Cucumber, JSLint  Atom, Sublime, IntelliJ, Vim  Git, SVN, perforce, linux shell PUBLICATIONS AAAI 2017 - ClaimBuster: Monitoring Political Discourses and Spotting Factual Claims  VLDB 2017 - ClaimBuster: The First-ever End-to-end Fact-checking System KEY COURSES **Data Analysis and Modelling Techniques -** Statistical tests, distributions, maximum likelihood estimators, using Linear Algebra and Multi-Variable Calculus, data-driven approach in predictive models  **Cloud Computing** - Developing cloud-based web apps on AWS EC2, IBM Bluemix, Microsoft Azure and Google Cloud Platform |
| **eQ Technologic**, India — Software *Developer*APRIL 2014 - JULY 2015 Building a data warehousing and business intelligence reporting and snapshots tool that conceptualizes data into cubes and performs filters, slices, drill-up/down, rotations and skews  Mobile responsive, scalable, stand-alone, test-driven widgets in BackboneJS, UnderscoreJS, JQuery, RequireJS, Jasmine, KendoUI, BootstrapJS  Building a widget framework library for cross-product use which acts as widget factory, to centralize initialization of backboneJS widget objects  Code quality, page rendering, lazy loading, mobile optimization, caching and uglification using JSlint, IntelliJ, JSMin, uglify2, GZIP compression **Adaptavant Tech**, India — Jr. *Software Engineer*MAY 2013 - APRIL 2014 J2EE based web application using JQuery, Javascript, Spring 3.0, SOAP/XML, REST/JSON, AJAX, JDBC, MySQL, Oracle, EJB, POJO, Maven, ANT, Tomcat etc.  Training on NPM libraries and MV\* front-end frameworks AngularJS, UI elements on BootstrapJS, HTML5, CSS3 **CarIQ**, India — *Intern*NOV 2012 - MAY 2013 Native Android programming, Eclipse IDE and Android SDK, Google play services and Google Maps API V2 integration  JSP servlet, RPC based port programming, wireless bluetooth communication | **Web Data Management** - Developing Ruby on Rails and NodeJS web-apps on NOSQL data  **Secure Programming -** Analyzing the most common security flaws in web pages and their fixes  **Adv Software Engineering** - Building web applications that can withstand performance tests in the face of big data WEB ARCHITECTURES HTTP/REST  Single Page Apps  Widget Framework  Responsive Layouts/Bootstrap  3-Tier Architecture  Object Relational Mapping  AJAX/JSON  SOAP/XML PROCESSES Continuous Integration/Delivery  Agile Model  Pair Programming  Lean Development LANGUAGES Javascript, Java, Python, Ruby, C/C++ INDEPENDENT PROJECTS UTA Rideshare - ride sharing app uta-rideshare.appspot.com |