Udit Ennam

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EDUCATION

Rutgers University, New Brunswick   **Master of Science in Data Science**   **Expected Graduation: May 2019**
Courses: Data Structures and Algorithms, Probability and Statistics for Data Science, Massive Data Storage and Retrieval Tools, Massive Data Mining, Data Wrangling, Data Interaction and Visual Analytics
GPA: 3.50 / 4.00

GITAM University, Visakhapatnam   **Bachelor of Technology in Electronics and Communication Engineering**   **2012-2016**
Courses: Web Technologies, Computer Architecture, Database Management Systems, Computer Networks
GPA: 8.4/10 {**Top 5%** from the department}

TECHNICAL SKILLS

- **Languages:** Python, R, SQL, C++, C#, JavaScript
- **Technologies and Frameworks:** MATLAB, Tableau, PySpark, .NET, Visual Studio, HTML, CSS, jQuery, Bootstrap, Git, Excel

WORK EXPERIENCE

21CC Recruitment and Training Private Limited, Mumbai   **September 2016-March 2017**
Freelance Content Developer
- Created storyboard and developed an e-learning module on 'Processes in Logistics' with Adobe Captivate 9.
- Developed assessment tests after each section, set an internal server as the reporting server and published the quiz score through Adobe Captivate Quiz Results Analyzer.
- Created **online training courses** on warehouse operations for the **Government of India's campaign Skill India**.

HopInTown, Mumbai   **July 2016-March 2017**
Web and Database Development Intern
- Collected leads through the **Agile Customer Relationship Management** using entry popups made with Wishpond and designed referral website through ReferralCandy for attracting more customers with free coupons and discounts.
- Headed a team of 4 to build the **mobile website** of the company using the **.NET Framework**. http://m.hopintown.com
- Analysed the user's digital footprint through Facebook, Google and Twitter to tailor the offers and services provided to the customers.
- **Increased the user base** by about 30% during my tenure of 8 months with the company.
- **Technologies used:** HTML, CSS, JavaScript, jQuery, C#, .NET

National Small Scale Industries Corporation Limited, Hyderabad   **May 2015-June 2015**
Intern
- Developed a secured bank authentication system using MATLAB with 2 out of 2 scheme for which the input image was the account holder's signature, checked the correlation coefficient to be high for authentication to succeed.

PROJECTS

Identification of genes with enhanced and suppressed activities (R) https://goo.gl/b44H7x
- Loaded the ISLR and built a **False Discovery Rate** program using the Benjamini Hochberg procedure and calculated the test-statistic for hypothesis testing for each gene.
- Tuned FDR and identified the top 50-100 important genes for enhanced and suppressed activity and visualized using ggplot2 and UpSetR packages.

Abstractive Title Generator (Python)
- Used Kaggle "All-the-news" corpus as our dataset and built word embedding matrix from GloVe.
- Implemented RNN with LSTM units and attention weights using **Keras package** to generate titles from the text of news articles.

Core decomposition of a large network (Python) https://goo.gl/GzFg1p
- Retrieved and cleaned a dataset containing 2.1 million rows from CiteSeer website and stored the node values in a dictionary.
- Used the priority queue abstract data type to find out the number of cores and visualized using the Python graph-tool.

Image Encryption Then Compression System (MATLAB) Final Year Undergraduate Project
- Encrypted and compressed the image to be transferred simultaneously to improve security using prediction error clustering and arithmetic coding.
- Checked the accuracy through peak signal to noise ratio and created an application using the MATLAB GUIDE.

Exploration of hurricanes (Python, R, Tableau)
- **Scraped** Wikipedia's hurricanes page with BeautifulSoup for the dataset and checked for Poisson distribution through the years.
- Visualized the hurricanes' path and power based on their categories in Tableau.

Twitter Sentiment Analysis (Python)
- Authorized Twitter API client and made a GET request to fetch tweets for Mumbai International Film festival.
- Parsed the tweets and classified them as positive, negative and neutral.

LEADERSHIP

- **Spearheaded** the organizing committee of an international conference on microelectronics held in my undergraduate college.
- **Member** of my school and undergraduate university soccer team.