Udit Ennam

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EDUCATION

- **Rutgers University** **New Brunswick, NJ**
  Master of Science in Data Science, GPA: 3.50 / 4.00 *Sept 2017 - May 2019*
- **Gandhi Institute of Technology and Management** **Visakhapatnam, India**
  Bachelor of Technology in Electronics and Communication Engineering, GPA: 8.4 / 10 *July 2012 - Apr 2016*

TECHNICAL SKILLS

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

WORK EXPERIENCE

- **Freelance Content Developer at 21CC Recruitment and Training Private Limited** *Sept 2016 - Mar 2017*
  - Created storyboard and developed an e-learning module on 'Processes in Logistics' with Adobe Captivate 9.
  - Created training courses on SCM, warehouse operations for the Government of India's Skill India campaign.
- **Web and Database Development Intern at HopInTown** *July 2016 - Mar 2017*
  - Collected leads through the Agile Customer Relationship Management using popups and referral website.
  - Built the mobile website of the company using the .NET Framework. http://m.hopintown.com
  - Analyzed the users' digital footprint through Facebook and Twitter to tailor the offers and services provided.
  - Increased the user base by about 30% during my tenure of 8 months with the company.
  - **Technologies used:** HTML, CSS, JavaScript, jQuery, C#, .NET
- **Digital Image Processing Intern at National Small Scale Industries Corporation Limited** *May 2015 - June 2015*
  - Designed a secured bank authentication system using MATLAB with image processing and visual cryptography.
  - Used a 2 out of 2 scheme and checked the correlation coefficient.

PROJECTS

- **Identification of genes with enhanced and suppressed activities (R)** *Nov 2017*
  - Loaded ISLR and built False Discovery Rate program using 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. https://goo.gl/b44H7x
- **Abstractive Title Generator (Python)** *Dec 2017*
  - Used Kaggle "All-the-news" corpus as our dataset and built word embedding matrix from GloVe.
  - Implemented RNN with LSTM units and attention using Keras package to generate titles from news articles.
- **Core decomposition of a large network (Python)** *Oct 2017*
  - Retrieved and cleaned a dataset from CiteSeer website and stored the node values in a dictionary.
  - Used priority queue abstract data type to find out the number of cores and visualized using the Python graph-tool. https://goo.gl/GzFg1p
- **Image Encryption Then Compression System (MATLAB)** Final Year Undergraduate Project *Apr 2016*
  - Developed a MATLAB application for encryption and compression of images to be transmitted.
  - Implemented prediction error clustering, arithmetic coding and checked accuracy with peak signal-to-noise ratio.
- **Exploration of hurricanes (Python, R, Tableau)** *Nov 2016*
  - Scraped Wikipedia's hurricanes page with BeautifulSoup for the dataset and checked for Poisson distribution.
  - Visualized the hurricanes' path and power based on their categories in Tableau.
- **Twitter Sentiment Analysis (Python)** *May 2017*
  - 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.