Chaitanya Kunapareddi

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EDUCATION

Master of Science in Applied Data Science (4.0/4.0) Aug '21 - Present

Syracuse University, New York

- Relevant Coursework: Data Analytics and Statistics, Quantitative Data Reasoning (ANOVA, welch tests), Applied Machine learning, Natural language processing (sentiment analysis, LDA, Wordnet Synsets)

Bachelor of Technology in Electronics and Communication Engineering (8.3/10) June '14 - May '18

SRM Institute of Science & Technology, India

- Relevant Coursework: Statistics & Probability, Information Theory & Coding

SKILLS

- *Programming languages:* Python, R, HTML5, CSS3, SQL
- *Tools:* Microsoft Office (Word, Excel, PowerPoint, Project, Outlook, Azure), Tableau, SourceTree, GitHub VSCode
- *Databases*: Oracle, Postgress, Microsoft Access
- *Libraries*: Pandas, NumPy, Scikit learn, nltk, seaborn, matplotlib, SciPy, dplyr, ggplot, tidyverse, caret, NGX, JWT
- *Frameworks:* Angular, Bootstrap, Flask

EXPERIENCE

Data Analyst at iConsult (Syracuse University), NY Sep' 21 - Present

- Structure an algorithm that detects and removes derogatory language in job descriptions for candidates with disability using *Text analysis*
- Expanding database through *web scraping* and *reinforcement learning* to store ableist & non-ableist words/phrases with intentional purpose to build an accurate predictive model
- Suggesting non-ableist words through *recommender systems* and *NLP* during job posting process
- Maintaining the model, by making amendments based on performance metrics to keep it up to date with new detections
- *Tools*: Python, Excel, Azure, Flask, Git

Machine Learning Engineer at Renault Nissan Alliance, India Aug '18 - Aug '21

- Improved employee selection process, prepared ML model using clustering algorithm *Latent Dirichlet allocation*
- Resolved *SONAR* issue in *Jira* query ticketing process, prepared ML model using *supervised learning algorithm*
- Introduced monthly target prediction for cross-functional team, built time-series based model through *ARIMA*
- Achieved 90% reduction in *AutoCAD* designing process time, predicted design of drum break using *SVM*
- Built a handwriting recognition tool using *CNN* sequential model to convert spare parts invoice to report
- Successfully created Data Preprocessing package to improve data refining using *NLTK*
- Developed an Automatic Language Analysis Tool using *NLP* to improve grammar of text documents
- Investigated data pattern and correlation, applied exploratory data analysis using *Matplotlib, Seaborn and Tableau*
- Developed UI applications using *Angular 8+,* integrated *REST* web services through *FLASK* and *Azure Functions*
- *Tools:* Python, Angular 8+, Excel, Postgress, Flask, Azure

LEADERSHIP & AWARDS

- Received excellence award for relentless performance in covid crisis management project Oct '20
- Won 'innovation award' in bronze category for Machine Learning Tool at RNTBCI annual awards Oct '19
- Organized an event named "Cadovation" based on AutoCAD at Aarush-tech fest Sep '15
- Coordinator for hospitality team at "Milan-Cultural Fest" Jan '15
- Event manager at annual cloths donation drive organized by the NGO -The blooming beacon Sep '15

PUBLICATION

- Journal on "Design and spontaneous recognition of acquired speech signals" published by IJAREST Aug '19
- Journal on "Cursor control using eye and hand movement" published by IJEEE & ICRDE having ISSN-"2321-2055" & ISBN-"978-93-86171-39-9" respectively Apr '17

SUMMER IN-PLANT TRAINING June '16

- Learned business model, manufacturing process and raw material requirement to manufacture Apple mobile adaptor at FLEX manufacturing plant
- Brainstormed with the onsite engineer and business professional, prepared manufacturing summary report, underlining the scope of improvements in the technical process