# Agastya Kommanamanchi

**Graduate Student, UCONN School of Business**

Certified Data Scientist with 4+ years of experience at Jio – the largest Indian telecom company. Well-versed at creating Machine Learning (ML) and Predictive models to solve business problems. Expert at developing interactive visualizations and dashboards. Helped Jio in strategically targeting customers for Jio Media Applications. Certified Project Manager and Agile practitioner. Highly experienced in executing Cloud technologies with Amazon Web Services (AWS) and adept at working with Big Data Analytics tools.

## Professional Experience

**Aug 2019 - Present**

### Graduate Student Consultant, Capstone Project

*Grove Property Fund LLC, Hartford, CT*

**Key Accomplishments:**

- Identified a total of $15 million worth commercial real estate properties to purchase in Charlotte Area, North Carolina with analytic reasons to purchase those properties.
- Developed a statistical data analytics model to identify properties likely to increase in value over the next 5 years, with ability to update the model monthly/quarterly/annually as market data changes.
- Built a visual map representation of the results with BI and Data Visualization tools.

**Jun 2016 - Jan 2019**

### Deputy Manager (BI Analyst)

*Reliance Jio, Mumbai, India*

**Key Accomplishments:**

- Analyzed subscription data from 6 Jio Media Apps with Power BI and Tableau to examine sales of Value-Added Services.
- Performed Exploratory Data Analysis (EDA) and generate visualizations and dashboards for insights to product teams thereby improved campaign efficiency by ~70%.
- Generated Business Intelligence (BI) reports, to enhance decision making, by querying Jio customer data with of Oracle SQL Developer, Apache Hive, Hadoop, MapReduce and AWS Dynamo DB.
- Implemented Machine learning (ML) algorithms with AWS Sagemaker, iPython notebooks to make customer recommendations.
- Managed a team of 15 QA engineers with Agile methodology, created process workflows, validated results and provided acceptance reports to software builds for deployment in production setup.

## Contact Information

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**LinkedIn**
https://www.linkedin.com/in/agastya-kommanamanchi/

**GitHub**
https://github.com/Agstya

## Technical Skills

Cloud Computing with AWS, Tableau, Python Programming (Numpy, Pandas, Scikit-learn, Seaborn) R, Hadoop, Apache Spark, Hive, NoSQL, MongoDB, SAS Enterprise Miner, SPSS, Teradata, MS Excel (Pivot Tables, VBA) Power BI, AWS SageMaker, TensorFlow, JMP, Git, Github, Kaggle, MATLAB,MS Visio, ERD,SQL, PySpark, PyTorch, CI/CD, Automation, iPython, Jupyter Notebooks, Anaconda

**Jun 2014-May 2016**

### Assistant Manager (Big Data Analyst)

*Reliance Jio, Mumbai, India*

**Key Accomplishments:**

- Performed big data analytics with Informatica software to do customer segmentation and identified 6 major clusters.
- Automated data querying with Apache Hadoop Ecosystem: HDFS, Apache Hive 2.1.1, Spark 2.1.0, Scala 2.12.0, Nifi 1.1.2.
- Utilized Machine Learning (ML) algorithms with Apache Spark ML library and Natural Language Processing (NLP) techniques for deployment of Voice Assistant - HelloJio for myJio App.

# Education

**Jan 2019 - Present**

### Master of Science: Business Analytics and Project Management

*University of Connecticut - Hartford, CT*

- Took initiative and participated in data challenges held by Center for Advancement of Business Analytics (*CABA*).
- GMAT Score: 700 (Quant: 49 Verbal: 35).
- **Major Projects:** 1. Humana-Mays Healthcare Analytics 2019 Case Competition, 2. Happiness Survey with Predictive Analytics, 3. Twitter Data and Sentiment Analysis with Natural Language Processing (NLP),4.  Predicting House Prices in South Florida with R.

**May 2018 - Feb 2019**

### Post Graduate Program Certification Course (PGPCC): Cloud Computing

*Stuart School of Business (Illinois Institute of Technology)* Chicago, IL & Great *Lakes* Institute of Management, *India*

- **Capstone Project**: Optimizing Cluster Management at Coursera using AWS.

**June 2010 - May 2014**

### Bachelor of Technology: Electronics and Communications Engineering

*National Institute of Technology - Hamirpur, HP*

- **Interned** at DRDO Bangalore to analyze RADAR waveforms with MATLAB statistical software.
- Led a team of 5 members in annual technical fest NIMBUS as a student coordinator of ISTE Chapter, NIT - Hamirpur.
- Admitted based on AIEEE rank (top 2% of 11 million test takers) and Intermediate score of 97.3%.

# Analytic Skills

Machine Learning Algorithms: Linear & Non-Linear Regression, GLM, SVM, Tree based models, Clustering, KNN, Principal Component Analysis (PCA), Bagging, Boosting, Cross Validation, Classification, Shrinkage Methods, Time Series Forecasting, Smoothing Techniques, ARIMA Models, Market - Basket Analysis, Statistical Inference, Hypothesis & A/B Testing, BI, Data Mining & Wrangling, Exploratory Data Analysis, Visual Analytics, CART, Statistical Programming, Deep Learning, AI, Data driven decision making

# Project Management & Soft Skills

Agile Framework, Effective Communication and Leadership, Team building and Team Management, Problem Solving, Critical Thinking, Persuasive, Inquisitive, Curious and Creative Thinking, Business Planning, Analytic Consulting, Presentation Skills

# Certifications

- Post Graduate Certification in Cloud Computing
- Jio Certified Project Manager
- Jio Certified Social Media Marketer
- Data Scientist with Python Track (DataCamp)
- Udemy Tableau Desktop Specialist Certification