REMYA UPPATH RAJAPPAN

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Analytically skilled professional having over 4 years of IT experience and with a **Master's in Data Science and Analytics from Georgia State University, and** with proven understanding of Data Analysis, Data visualization, Model Evaluation, Predictive modelling and BI reporting.

PROFESSIONAL EXPERIENCE

Regions Bank (full-time), Alabama
Audit Data Analytics Associate
March 2023 – June 2023

- Fulfilled ad-hoc reporting requests using tools like **Hue, Toad** to address business problems and streamline processes.
- Utilized business intelligence tools **like Power BI and Tableau** to identify, analyze and interpret trends and patterns in audit data.
- Created dashboards for use in audits to drive analytical data-driven insights to support continuous monitoring of environment and risks to understand and test full population to support continuous control monitoring and enable auditor independent data self-service.
- Used various professional statistical techniques to analyze and interpret data from customers and partners.
- Developed **SQL** scripts on relational databases, and worked on **query optimization**, and data modeling.Used **SQL** and **Excel** to ensure data quality and integrity. Identified and eliminated duplicates and inaccurate data records.

KForce
Client-USAA, Atlanta
Data Scientist
Sept 2022 – Dec 2022

- Worked with data scientists to build different **predictive models** like Life Event Servicing Framework Models to predict important life events of customers. Some of the predictive models are Car Buy Model, Home Buyer Model, Auto Insurance Model, and digital adoption Model.
- Worked on **Big Data** technologies and **Hadoop** eco system to locate, extract, manipulate, and organize data from different data sources supporting analytic tool development.Performed **data Cleaning**, **hypothesis testing**, **features scaling**, **features engineering** using **Pandas** and **NumPy** packages in python and build models using deep learning frameworks.
- Used various Ensemble Boosting and Bagging classification models and evaluated model performance with **Confusion Matrix**, **Recall**, **Precision** and **ROC-AUC** curves.
- Hands-On experience into **PySpark**, **ETL** development, **Tableau**, shell scripts on **Linux/Unix** platforms experience, Data Validation for **Netezza** to **Snowflake data Migration**.
- Experience with SQL **Python, Jupyter notebook**, Scientific computing stack (NumPy, SciPy, Pandas and matplotlib) Machine Learning algorithms and Time Series Analysis.
- Perform troubleshooting, fixed and deployed Python bug fixes of the Airflow applications that were a main workflow tool of data for internal service team.

Institute for Insight, J. Mack Robinson College of Business, Atlanta
Research Data Scientist: Text Analytics & NLP
Aug 2021-May 2022

- Scrapped and collected raw text data from news articles and research papers based on relevant keywords provided with 70,000 articles in total.
- Performed clustering of license groups to identify licensor/licensee of companies by examining keywords using python frameworks and applied text analysis techniques.
- Developed **python scripts** to cleanse and automate the data retrieval process.Utilized different **machine learning and deep learning** techniques such as **Logistic Regression, Random Forest, RNN, CNN, BERT** and built models to identify Licensor/Licensee of companies, Type of License agreement with an accuracy of more than 89%.

Academic Projects at GSU, Atlanta
Jan 2022 – Dec 2022

Credit Card Predictor

- Built a machine learning model that can predict whether an individual's application for a credit card will be accepted or not. The model was able to predict with an accuracy of 85%.
- Published Project on DataCamp workspace. Link:
  https://app.datacamp.com/workspace/w/c68d12d7-bd97-45f0-9190-c887369ff53e

Data Mining Project – Predicting the Saleability of Homes

- Collected house details from real estate websites and tried to predict the saleability of homes based on some interesting attributes like Quality and Quantity of pictures posted on websites, presence of avoidable items in the picture, school ratings etc.
- Participated in all phases of research including **data collection, data cleaning, data mining, developing models, and visualizations.**
- Performed **hypothesis testing** to investigate the data and built different machine learning models like **Decision Tree, K-NN, Naïve Bayes and Rule Induction** using **Rapid Miner** tool and the models were able to predict with an accuracy of 83.33%.

Pixelflames Technologies Pvt Ltd, Kerala, India
Data Analyst,
Oct 2015 - Dec 2017

- Perform data analysis to evaluate the data quality and resolve the data related issues. Responsible for improving data quality and for designing or presenting conclusions gained from analyzing data using Microsoft Excel as statistical tool.
- Collaborated with business leaders, IT groups and vendors to ensure issues communicated clearly and accurately. Performed Source to Target mapping, Data reconciliation of source, Referential Integrity, Null and Default value checks, and Business Rules applied.
- Designed and deployed an interactive Customer Relation Management dashboard in **PowerBI** to monitor and visualize success metrics of every marketing campaign in the firm.
- Worked extensively on **Data Profiling, Data cleansing, Data Mapping, Data Quality**. Created technical documentation and presented information to senior management. Identified and reported any data issues, conducted detailed weekly reports, and pro-actively participated in team meetings.

Southern College of Engineering, Kerala, India
Guest Lecturer, Mathematics
Nov 2010 - Mar 2011

- Lectured Mathematics to Engineering students in Southern college of Engineering and Technology, Kerala, India. Guided students in the mathematical problems in Applied Mechanics.

TECHNICAL SKILLS

Programming Languages: Python (Pandas, NumPy, Scikit-learn, NLTK, Matplotlib, Seaborn, Plotly, Dash, TensorFlow,keras), R, PySpark, SQL
Databases: MySQL, Netezza, SQL-Server, Big Data-Hadoop, Hive
Statistical Modelling: Hypothesis Testing, Regression (Linear, Random Forest, Lasso, ridge), Classification methods (Logistic, Random Forest, XG BOOST, Decision Trees, Naïve Bayes, KNN, SVM), Parameter tuning, Cross validation, Model evaluation (ROC, AUC, Precision, Sensitivity, Specificity), NLP (Text mining), Word embedding (word2vec,Tf/IDF), Deep learning Neural Networks(CNN,RNN,BERT), Forecasting, Optimization.
Cloud Technologies-AWS, GCP, Snowflake
Tools and Techniques: Python (Jupyter notebook, PyCharm), R (RStudio), Power BI, Tableau, R, Toad, Hue, Airflow, Rapid Miner, Microsoft Office Excel, PowerPoint, Tableau, Agile, JIRA, Gitlab CI/CD pipeline,Hue, Toad

EDUCATION

Master of Science in Data Science and Analytics	Atlanta, GA
Georgia State University	08/2021 - 12/2022
Master of Technology in Electronics	Bangalore, India
Visvesvaraya Technological University	07/2011 - 07/2013
Bachelor of Technology in Electronics and Communication	Kerala, India
Calicut University	06/2002 - 06/2006

REMYA UPPATH RAJAPPAN

- Johns Creek, GA, US

Contact Information

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- 4049109180

Work History

Total Work Experience: 13 years

- **Audit Data Analyst Associate Regions Bank**
  Mar 01, 2023

- **Data Scientist Kforce**
  Sep 01, 2022

- **Graduate Research Assistant-Data Science Georgia State University**
  Aug 01, 2021

- **Data Analyst Pixelflames Technologies Pvt Ltd.**
  Oct 01, 2015

- **Guest Lecturer Southern College Of Engineering And Technology.**
  Nov 01, 2010

Education

- **Masters** | Georgia State University

- **Masters** | Visvesvaraya Institute of Technology

- **Masters** | Georgia State University

Skills

- **microsoft office** - 7 years
- **microsoft excel** - 5 years
- **microsoft powerpoint** - 5 years
- **statistics** - 5 years
- **analytics** - 3 years
- **data analysis** - 3 years
- **mysql** - 3 years
- **power bi** - 3 years
- **python** - 3 years
- **machine learning** - 2 years
- **tableau** - 2 years
- **apache spark** - 1 years
- **aws** - 1 years
- **data science** - 1 years
- **deep learning** - 1 years
- **hadoop** - 1 years
- **snowflake** - 1 years
- **apache hadoop** - 1 years
- **big data** - 1 years
- **etl** - 3 years

Work Preferences

- Desired Work Settings: No Preference
- Likely to Switch: True
- Willing to Relocate: True
- Travel Preference: 100%
- Preferred Location:
  - Atlanta, GA, US
- Work Authorization:
  - US
- Work Documents:
  - Employment Auth. Document
- Desired Salary: 90,000+ (USD)
- Security Clearance: False
- Third Party: False

- Employment Type:
  - Full-time

Profile Sources

- linkedin: https://www.linkedin.com/in/remya-uppath-r-904850217
- twitter: https://twitter.com/georgiastatelaw
- Dice:
  https://www.dice.com/employer/talent/profile/5cabd15bb643456b93443199ca1f929d