KARTHIK RAMKUMAR

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OBJECTIVE

Data Science grad student looking for summer internships having 3.5+ years of experience in the Software Industry. Involved in processing and migrating data, creating user friendly interfaces, building interactive dashboards and collaborating with stakeholders.

EDUCATION

Master of Data Science, University at Buffalo (UB) - *Buffalo, NY*   2021 - Expected 2023
Relevant Coursework: Data Analytics, Probability, Statistical data mining, Programming for Data Science, Data Modelling, Machine Learning, Reinforcement Learning

Bachelor of Engineering, Electronics and Communication, Anna University - *Chennai, India*   2013 - 2017

SKILLS

Technical: Python (NumPy, pandas, scikit-learn, matplotlib), R (dplyr,gplot, tidyverse), SQL, Tableau, Excel, Tensorflow, Pytorch, Data Mining, Data Wrangling, Clustering, Statistical Modelling, Reinforcement Learning, JavaScript, HTML

EXPERIENCE

Software Developer - System Engineer   Jan 2017 - Aug 2021
Tata Consultancy Services (TCS)   *Chennai, India*

- Performed source system data analysis to manage source to target data mapping.
- Interpreted and completed client provided data migration workbooks.
- Extracted data and maintained reports for clients and internal support.
- Worked closely with a political party and developed an interactive dashboard to identify the areas that needed to be prioritized.
- Coordinated the implementation of 24hr banking solution software for 3 banks.
- Communicated with business managers about the client's requirements and reported the insights of the ongoing projects to team's global heads on weekly basis.
- Managed a team of three and successfully completed the migration of large volumes of data in testing environment.

PROJECTS

Classifying Tsunami Generating Earthquakes
Collaborated with my classmates on developing a methodology to classify earthquakes generating a tsunami. Implemented the classifier using techniques such as Decision Tree, Random Forest, Gradient Boosting, and Neural Networks, and achieved 80 percent test accuracy.

Boston Crime Rate Analysis
Analyzed crimes and the fatality of incidents in different areas in Boston over time to determine the safest neighborhoods in the locality.

Taxi Simulation
Created a custom grid world environment in which the taxi driver uses Q learning to figure out the shortest distance between two places and then uses that information to pick up and drop off customers.