Rojan Maharjan

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EDUCATION

California State University, Sacramento, CA   Aug 2020 – Present
BS in Computer Science   Expected graduation May 2023   GPA: 3.4
Minor in Mathematics
Relevant coursework: Calculus and Statistics, Machine Learning, Data Mining, Big Data, Data Structures, Parallel programming with GPUs, Data visualization

TECHNICAL SKILLS

Languages: Python, JavaScript, CSS3, HTML5, C++, Java
Machine Learning: Scikit-learn, Keras, Pandas, NumPy, SciPy, TensorFlow, PySpark
Data Visualization: Tableau, Matplotlib, seaborn
Cloud technologies: Microsoft Azure, AWS
Testing: Jest, Selenium
Frameworks: Node js, SQL, Docker, Angular js, Vendia, Kubernetes
Other Skills: Git, JIRA, Confluence, Agile/Hybrid Methodology, SDLC
Certifications: Microsoft Certified Associate Data Engineer

PROFESSIONAL EXPERIENCE

Rolang Technologies Inc – McKinney, Texas   April 2022 – August 2022
Data Engineer Intern
• Built a migration pipeline from Oracle database to ADLS gen 2 using Stream Sets pipelines which helped in scaling database for future.
• Maintain optimal data processing pipeline architecture using PySpark and Azure Data Factory to reduce time complexity by 3 hours.
• Spearheaded key performance indicator (KPI) development for projects by making a detailed analysis and reporting of past project data and customer feedback using python, increasing average customer satisfaction rating by 8%.

PROJECTS

Drug Review Prediction   Oct 2022 - Dec 2022
• Trained CNN, DNN, logistic regression and SVC to classify whether the sentiment of a drug review is positive with an accuracy of 92%.
• TDF-IDF vectorizer for word embeddings of reviews and SMOTE technique for sampling the imbalanced dataset which increased the accuracy of the model by 8%.

New York City Taxi Data   Mar 2022 - Jun 2022
•Designed a data loader with Docker which can migrate 10 GB of data to Azure storage layer.
•Data Ingestion, cleaning, validation, and processing data using Azure Data Factory using Blob Triggers.
• Visualized key statistics like customer trends and average tip per mile driven by neighborhood and by time in user friendly dashboards using Tableau.

Scheduling Application using Vendia   Jan 2022 - Dec 2022
• Working with a yearlong senior project with team of five people using Angular js for front end , Spring boot for backend and Vendia as cloud service to create a scheduling app for a client.
• Worked and maintained SQL database and backend with spring Boot to create API and business logic.
• Used GitHub actions for CI/CD and testing using Junit and Agile software development principles using Jira for collaboration and project Management.