JASHAUL DIWAKAR

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EDUCATION

Master of Science, Engineering Science: Data Science   Aug 2021 - Dec 2022
University at Buffalo, Buffalo, USA

Bachelor of Engineering, Computer Science and Engineering   Jul 2015 - May 2019
Anna University, Chennai, India

SKILLS

Programming Languages: Python, Java, JavaScript, SQL, R, Matlab, C++.
Databases: PostgreSQL, SQLite, MySQL, Mongo DB.
Libraries: Scikit-learn, NumPy, Pandas, Plotly, NLTK, SpaCy, Matplotlib, Seaborn, PySpark, Dash.
Framework/Tools: Django, SpringBoot, ReactJs, Redux, Node.Js, Postman, AWS (EC2, S3, Lambda, Sagemaker, API Gateway, DynamoDB), Azure, Jenkins, GIT, Jira, Confluence, Notion, R studio, Jupyter, Anaconda.

PROFESSIONAL EXPERIENCE

Data Engineer Intern, Prifina Inc., San Francisco   May 2022 - Aug 2022
- Accumulated real world data and performed ETL operations to visualize 8 data sources based on wearables.
- Built dynamic data sources to mimic live data, protecting user data and allowing 3rd party app development.
- Designed 10 modules with NodeJs and contributed to open source NPM package.

Software Engineer, Madras Global, Bangalore   Jun 2019 - Jul 2021
- Led a team of 3 with Agile to build rich media application, allowing viewing metrics, publishing, scheduling, and modifying ads via Google and Facebook ads.
- Collaborated with a cross-functional team to automate +10 workflow services for internal and external clients. Worked with internal stakeholders and customers to incorporate feedback into application.
- Proposed and spearheaded a serverless cloud automation pipeline to extract files and metadata of zip files uploaded to AWS S3, increasing client side rendering and efficiency by 70%.
- Implemented full-stack process creating restful APIs with Django framework at backend and ReactJs at frontend for online proofing tool, allowing users to request changes to media assets.
- Explored and modified the Django framework following MTV architecture to run ReactJS at template layer as a single server, reducing resource utilization and deployment time by 30%.

Data Science Intern, Madras Global, Bangalore   Dec 2018 - May 2019
- Developed scripts to extract, scrub, analyze and visualize datasets for predictive modeling with Django framework, SQLite, and Python.
- Programmed python automation scripts to scrape hourly and process 500K+ records for sentiment analysis.
- Automated full-stack process by creating restful APIs using Django and ReactJs, reducing manual effort by 80%.

PROJECTS

Chess Gameplay Analysis   Aug 2021 - Dec 2021
- Implemented classification algorithm using R, to assess points of sub-optimal decision making in a game.
- Compared among Logistic Regression, Bagged & Boosted Trees, Random Forest, and Naïve-Bayes to model target variables achieving 85% precision.

Twitter Nature Trend   Aug 2021 - Dec 2021
- Deployed an ML model to identify sentiment of trending tweets and polarity of hashtags via Twitter API, and python libraries.
- Evaluated an ensemble of classifiers - Logistic Regression, SVC, and Naïve-Bayes ensuring 95% accuracy.

Article Reach Estimation for News Editors   Dec 2018 - Mar 2019
- Developed an NLP model to compare an article against a repository of news articles using NLTK packages.
- Recommended keywords and hashtags to improve article's impact, improving article's social media reach by 30%.

Interrupt Android App   Aug 2017 - Oct 2017
- Designed the UI android app that allowed users to view, and register for events hosted at the CS symposium.

Github Profile - https://github.com/Jashaul

LEADERSHIP EXPERIENCE

- Secretary, ACM SVCE - Organized technical events, and handled budget, sponsorship, and vendor negotiations.
- Vice-President, FORESE SVCE - Led a management forum of 100+ members to enhance students' employability.