

Jashaul Diwakar

Buffalo, NY | +1 251-348-1597 | jashauld@buffalo.edu | [linkedin.com/in/jashaul-d](https://www.linkedin.com/in/jashaul-d) | jashaul.vercel.app

PROFESSIONAL EXPERIENCE

Data Engineer Intern, Prifina Inc., San Francisco

May 2022 - Aug 2022

- Developed ETL pipelines to ingest, transform data from 8+ applications based on wearables such as Garmin, Fitbit, and Oura via REST APIs using python.
- Built a statistical model to generate synthetic data by determining the best-fit distribution of the transformed real data from wearable applications, with about 85% accuracy.

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 posted on Google and Facebook ads sites.
- Collaborated with cross functional teams to automate +10 workflow services for internal and external clients, and incorporated feedback from stakeholders and customers into application.
- Proposed and spearheaded a serverless cloud automation pipeline to extract files and metadata of zip files uploaded to AWS S3 using python, 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%.

SKILLS

Programming Languages: Python, Java, JavaScript, TypeScript, 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, NextJs, Postman, AWS, Azure, Jenkins, GIT, Jira, Confluence, R studio, RShiny.

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

PROJECTS

COVID-19 Data Analysis

Feb 2022 - May 2022

- Performed exploratory data analysis on aggregated 10+ public data sets and created an end-to-end interactive dashboard using RShiny to visualize the systemic patterns globally and country wise.
- Developed a Time Series forecasting model and Survival Analysis to understand the underlying causes of trends, and investigate the impact and major risk factors associated with COVID-19 deaths.

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 classification model to identify sentiment of trending tweets and polarity of hashtags via Twitter API.
- Designed a database schema, and python scripts to transform and store millions of data using SQLite.
- 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%.

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