

JASHAUL DIWAKAR

Chennai, TN | +91 9962983333 | djashaul@gmail.com | [linkedin.com/in/jashaul-d](https://www.linkedin.com/in/jashaul-d) | [Website](#)

SKILLS

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, R, Matlab, C/C++.

Databases: MySQL, SQLite, PostgreSQL, MongoDB.

Framework & Libraries: Django, SpringBoot, ReactJs, Redux, NodeJs, Tensorflow, Keras, Scikit-learn, NumPy, Pandas, NLTK, SpaCy, PySpark.

Tools & Technologies: Amazon Web Services(EC2, S3, Lambda, APIGateway), Azure, GIT, Jenkins, Selenium Webdriver, Postman, Jira, RShiny.

PROFESSIONAL EXPERIENCE

Infiswift Technologies, Milpitas, California

Sep 2023 – Nov 2023

Software Developer

- Designed and **implemented an automated** LinkedIn Lead Generation system achieving 30% reduction in human efforts by optimizing the data processing pipeline, using Python and Selenium.
- **Generated comprehensive reports** summarizing emerging trends in the tech industry, achieving a 25% reduction in time-to-action on insights.

Prifina Inc, San Francisco, California

May 2022 – Aug 2022

Data Engineer

- Constructed a **robust statistical model to generate synthetic data** by identifying suitable probability distribution for transformed real data sourced from wearable applications, achieving an impressive 85% accuracy rate.
- **Designed and executed ETL (Extract, Transform, Load) pipelines** to efficiently extract and process data from 8+ wearable applications, including Garmin, Fitbit, and Oura, through Python REST APIs.
- Collaborated with cross-functional teams to gather data and requirements, ensuring 100% alignment with project goals.

Madras Global, Bengaluru, India

Jun 2019 – Jul 2021

Software Developer

- Led and **managed an Agile team of three to develop a feature-rich media application**, enabling tracking of metrics, ad publishing, scheduling, and modification on Google and Facebook advertising platforms.
- Collaborated seamlessly with cross-functional teams to **automate more than ten critical workflow services** for internal and external clients. Incorporated valuable feedback from stakeholders and customers to enhance application functionality.
- Pioneered design and implementation of a **serverless cloud Python automation pipeline** to efficiently extract files and metadata from zip files uploaded to AWS S3, resulting in a 70% improvement in client-side rendering and overall operational efficiency.
- Automated full-stack process by building **RESTful APIs, applying Django framework, ReactJS, and SQLite**, empowering users to request changes and annotate media assets through an online proofing tool.
- Remodeled Django framework, following MTV architecture, to run ReactJS at template layer within a single server, optimizing resource utilization and reducing deployment time by 30%.

EDUCATION

University at Buffalo, Buffalo, New York

Aug 2021 – Feb 2023

Master Of Science in Engineering Science: Data Science

Anna University, Chennai, India

Jul 2015 – May 2019

Bachelor Of Engineering in Computer Science and Engineering

ACADEMIC PROJECTS

R-Shiny Application for Survival Analysis of COVID-19 Patients

Feb 2022 – May 2022

- Executed in-depth exploratory data analysis (EDA) on 10+ public datasets, aggregating and processing data, and implemented a comprehensive, interactive RShiny dashboard, enabling real-time visualization of systemic patterns on a global and country-specific scale.
- Utilized software development expertise to **build a Time Series forecasting model and Survival Analysis model to gain insights into COVID-19 trends**, root causes, impact, and risk factors associated with fatalities.

Chess Gameplay Analysis: To identify critical positions

Aug 2021 – Dec 2021

- Employed software development skills to **implement classification algorithms determining suboptimal decision-making** in a game environment using R programming language.
- Accomplished an impressive 85% precision rate through a comprehensive evaluation of machine learning techniques, including Logistic Regression, Bagged & Boosted Trees, Random Forest, and Naïve-Bayes.

Natural Language Processor for Identifying Nature of Twitter Trends

Aug 2021 – Dec 2021

- Deployed **classification model utilizing Twitter API**, designed to determine trending tweets' sentiment and assess hashtags' polarity.
- Demonstrated proficiency in database design on SQLite by creating an optimized schema and developing Python scripts for transformation and storage of vast datasets, resulting in efficient data management.
- Conducted a comprehensive evaluation of an ensemble of classifiers, including Logistic Regression, Support Vector Classifier (SVC), and Naïve-Bayes, focusing on achieving an impressive accuracy rate of 95%.

Article Reach Estimation and Keyword Recommendation for News Editors

Dec 2018 – Mar 2019

- Applied software development knowledge to create an **NLP model with NLTK packages, enhancing article content quality and relevance** by comparing it to a repository of news articles.
- Demonstrated proficiency in data-driven recommendations, resulting in a remarkable 30% improvement in article social media reach through strategic keyword and hashtag suggestions.