

# Gokulnath Suresh

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## WORK EXPERIENCE

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**Atos Syntel, Chennai, India** ( Client: State Street Corporation, United States)

*Data Engineer*

*May 2018 - Sep 2021*

- Developed and maintained data pipes on daily fund exchanges in the capital market across 15+ clients with a daily raw data flow of 100K records using CI/CD, data warehousing, ETL and analytical tools & systems.
- Collaborated with the senior management, developer and operation teams and took care of the production migration process of over 1k code changes per month employing DevOps practices.
- Constructed and managed a monitoring dashboard using the Django web framework to monitor backlogs in the data flow, which reduced the manual hourly monitoring process of running 10+ mins queries, 30% workload of the project and then was utilised as a standard tool for monitoring across internal teams.
- Volunteered and developed 10+ automation works using python, Java, shell scripting and Oracle SQL, helping to save 20+ hours of manual work per day and ~200K in revenue per year.
- Took ownership of the timely delivery of products to clients with critical SLAs and addressed complex data and environmental issues, and investigated the queries raised across various clients.
- Trained and assisted 3 professionals to learn the automation process within a month and built a new team to work specifically on the DevOps migration process which reduced half the manual workload.

## EDUCATION

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**University of Liverpool, United Kingdom**

*Master's in Advanced Computer Science*

*Sep 2021 - Sep 2022*

- Coursework: Advanced and Applied Algorithms, Time Series Analysis, Data Mining and Visualisation, Machine Learning, and Bioinspired Optimisation.

**Anna University, Chennai, India**

*Bachelor's in Information Technology*

*Aug 2014 - May 2018*

- Coursework: Object-oriented Programming, Data Structures and Algorithms, Software Engineering, Artificial Intelligence, Operating Systems, and Database Management.

## PROJECTS

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- **Timeseries Prediction on Grocery Sales** - Predicted future sales by analyzing past time series data using several neural network models and was able to provide more than 90% accurate predictions. These predictions will be useful for the supermarkets to cut down 30% of their food wastage on average.
- **Predicting Failure of Rocket Landing** - Performed EDA on the collected data from API and by scraping from webpages and trained the data using several machine learning methods, predicting significant insights on how to reuse a rocket by avoiding 37% failure while landing.
- **Blog Application** - Built a full featuring blog application using Django Framework which includes features like login with authentication, creating, updating and deleting a blog.
- **Todo App** - Created a web app to manage a to-do list, integrating Django for the backend and React for the frontend along with REST API services to communicate between services.

## SKILLS & INTERESTS

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**Languages:** Python, SQL, Java, HTML, CSS, Javascript, Bash.

**Tech Stack:** Jenkins, Snowflake, AWS, GIT, Airflow, Tableau, Numpy, Pandas, Scikit-learn, Tensorflow, Keras, matplotlib, seaborn, Django, React, Node, Bootstrap

**Certifications:** IBM Data Science Professional Certificate, Stanford Machine Learning

**Interests:** Photography | Video Editing | Guitar | Football | Cricket | Travel