

## KARAN SHIRISH PATHARKAR

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LinkedIn: <https://www.linkedin.com/in/karan-patharkar/> Portfolio: <https://karanpatharkar.github.io/>

### EDUCATION

**The University of California, Irvine**, Irvine, CA  
Master of Science in Business Analytics

08/2023

**Savitribai Phule Pune University**, Pune, India  
Bachelor of Engineering, Information Technology

06/2019

### EXPERIENCE

**Bill.com**, CA, U.S.A.

01/2023 – Present

#### Student Data Analyst

- Conducting research and developing data science methods, models and signals to address the new economic reality of small and medium-sized businesses in the US

**ZS Associates**, Pune, India

11/2021 – 05/2022

#### Associate Consultant

- Pioneered successful delivery of 5+ projects, including requirements analysis, design, delivery, testing, training and documentation
- Orchestrated project milestones and deliverables using Agile methodologies, ensuring adherence to quality standards and meeting project deadlines in all projects as a business analyst
- Executed a reporting solution that revolutionized the tracking of the Patient's overall journey by 25%, resulting in a more efficient process

**ZS Associates**, Pune, India

06/2019 – 10/2021

#### Business Technical Associate

- Constructed 10+ reporting solutions, including Executive, Field, and Analytical reports
- Successfully employed data manipulation and analysis tools such as Alteryx and Informatica to extract, transform, and load data resulting in increased efficiency (by 40%) and streamlined data management
- Implemented a process improvement initiative that resulted in a 15% increase in productivity and a 10% reduction in operational costs
- Created and executed a cloud-based pipeline on AWS to automate the reporting system runs, resulting in an 80% reduction in manual labor and an increase in the frequency of report generation by 15%

### PROJECTS

#### Secret Languages of the Tech World:

- Dive deep into the world of programming languages and explore the mysterious past and future popularity of each language using Stack Overflow tags
- Used time series forecasting methods (SARIMAX, Exp. Smoothing) with a final MAPE of 0.8

#### Unlocking the future – Store Demand:

- Using machine learning techniques, this project predicts the demand by using historical sales
- Achieved a final accuracy of 0.19 in Mean Absolute Percentage Error (MAPE) score

#### Secret to Customer Retention:

- With advanced analytics techniques, uncover the secrets that can help businesses retain their customers and boost their revenue

### SKILLS

- **Data Analysis:** Python (Pandas, NumPy, Scikit-learn, Plotly, Seaborn, Statsmodels, NLTK, Spacy, SciPy), Excel, Tableau, IBM SPSS
- **Data Management:** Alteryx, MySQL, SQL Server, PostgreSQL, Oracle
- **Data Science:** Advanced data analysis techniques (predictive modeling, ensemble models, unsupervised algorithms), time-series forecasting, Natural Language Processing, statistical hypothesis and A/B testing, optimization
- **Cloud and Other skills:** Amazon Web Services (AWS); MS Office, Git, Agile framework, Strong Communication skills

### CERTIFICATIONS

**Data Analyst Professional by DataCamp:** Demonstrated skills to succeed at senior level in a Data Analyst role

**A-Z Machine Learning by Udemy:** Showcased expertise in various ML techniques using Python and R

**AWS Cloud Quest-Cloud Practitioner:** Showcased expertise in cloud computing practices for successful deployment of AWS solution

### ADDITIONAL INFORMATION

**Work Eligibility:** Eligible to work in the U.S. due to S.T.E.M. certification; will require visa sponsorship for long-term employment