

KARAN SHIRISH PATHARKAR

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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 accuracy of 80%

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) value

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

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