

PARSHAD NIRBHAVANE

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Reservior, Australia

PROFILE

A results-driven Business Analytics graduate with strong technical skills in cloud computing, analysis, machine learning, and . Experienced in leveraging tools like Python, Power BI, and SQL to deliver actionable insights. Seeking a role to apply my expertise in data-driven decision-making.

EDUCATION

Master of Business Analytics
(Specialization: Data Science)

Bachelor of Engineering
(Mechanical)
University of Mumbai

LINKEDIN QR

www.linkedin.com/in/parshadnirbhavane

TECHNICAL SKILLS

- Programming Languages:** Python, R, SQL
- Libraries and Tools:** Power BI, Tableau, Advanced Excel, Pandas, Numpy, Scikit-Learn, Matplotlib, Plotly, SHAP
- Database Management:** MySQL, PostgreSQL, MongoDB, Microsoft Azure SQL
- Machine Learning & Optimization:** Supervised and Unsupervised ML (Regression, Classification, Clustering), Feature Engineering, Linear Programming, Reinforcement Learning
- AWS (EC2, ELB, S3, Route 53, RDS, Redshift, IAM), Infrastructure as Code (Terraform - Basics), Cloud Storage & Networking, Load Balancing, Identity & Access Management, Cloud Monitoring & Security, Kubernetes.**

SOFT SKILLS

- Stakeholder Engagement
- Agile Project Management
- Collaboration
- Adaptability
- Teamwork and Collaboration
- Problem-Solving
- Continuous Learning

EXPERIENCE

Warehouse Team Member | Country Road Group (CRG) | Melbourne, Australia

Dec 2024 – Present

- Managed inventory operations, including order picking, packing, and stock replenishment, using RF scanners and Warehouse Management System (WMS).
- Performed various warehouse tasks such as GA, GB1, GB2, Pick to Tote, Store Pick Up, Fill Active, ensuring accurate and timely order fulfillment.

Customer Service Associate | Chilli India | Melbourne, Australia

January 2023 – November 2024

- Customer Service & Order Handling: Assisted customers with order inquiries, product recommendations, and issue resolution, ensuring high-quality service.
- Point of Sale & Transactions: Processed orders and payments, managing POS systems and ensuring accurate billing.

Senior Data Analyst | Fuel Intelligence | Mumbai, India

Jan 2022 - Dec 2022

- Designed and implemented models to analyze transactional and market data, providing actionable insights for inventory optimization and demand forecasting for major retail and FMCG clients.
- Developed Power BI dashboards to track key performance metrics, including inventory turnover, sales lift, and product affinity, offering clients real-time visibility into market trends.
- Market Basket Analysis to identify product associations, helping clients optimize product placements, promotions, and supplier negotiations.
- Performed complex modeling analysis across sourcing and customer returns, identifying opportunities for cost reduction and operational efficiency.
- Stakeholder Collaboration & KPI Definition: Worked closely with stakeholders from Walmart, Pepsi, Bubly, and Ritz to define KPIs for supply chain performance, focusing on lead times, costs, and service levels.

Project Analyst | Eagle Infra Pvt Ltd | Mumbai, India

Apr 2019 - Dec 2021

- Led project analysis for two major water treatment plant projects (5 MLD and 50 MLD), conducting feasibility studies, cost analysis, and risk assessments to support decision-making.
- Utilized historical data to analyze trends and develop maintenance models using Python and SQL, reducing unplanned downtime by 15% and optimizing operational efficiency.
- Created interactive Power BI dashboards to present real-time equipment performance tracking and technology adoption insights to clients.
- Led project analysis for two major water treatment plant projects (5 MLD and 50 MLD), optimizing networks to improve resource allocation and project timelines.
- Conducted cost analysis and risk assessments, ensuring cost-efficient procurement strategies and reducing unnecessary expenditure.
- Ensured adherence to environmental and industry regulations while collaborating with government bodies and contractors to streamline project execution.

INTEREST

- Cricket: Nation-level player, demonstrating teamwork and strategic thinking.
- Stock Market: Engaged in option selling, showcasing analytical skills and risk management.
- Running: Participated in marathons, reflecting endurance and commitment.
- Skipping: Regular practice for maintaining agility and fitness.
- Dancing: Performed at a professional level, indicating discipline and creativity.

ENTREPRENEURIAL EXPERIENCE

Ambika Non-Veg – Open Cloud Kitchen, India

- Founder & Operational Head
- Launched and managed a cloud kitchen, specializing in a variety of non-vegetarian dishes.
- Led end-to-end business operations, including supply chain, inventory, finance, and customer service.
- Developed marketing strategies, increasing customer engagement and brand awareness.
- Supervised a team, optimized workflows, and ensured quality service delivery.

SOCIAL IMPACT & VOLUNTEERING

Jan Seva Janadhar Seva Mandal (Co-Founder & Volunteer)

- Co-manage a charitable initiative focused on providing free educational resources to underprivileged students in rural Maharashtra.
- Distributed thousands of notebooks and essential school supplies to students lacking financial support.

REFERENCE

Devini Goonetilleke

Founder & CEO, FinWhiz Pty Ltd
Business Transformation Specialist (Mentor)

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PROJECTS

✓ Capstone Project: AI-Powered Waste Management Optimization

- Developed an AI-driven waste collection system integrating IoT sensors, predictive analytics, and optimized routing to improve efficiency.
- Designed and implemented IoT-enabled smart bins using ESP8266/ESP32 microcontrollers and ultrasonic sensors for real-time bin fill level monitoring.
- Built machine learning models (Random Forest, XGBoost, Decision Tree) to predict waste accumulation patterns, reducing unnecessary waste collection trips.
- Optimized waste collection routes using linear programming, genetic algorithms, and ant colony optimization, reducing fuel consumption by 66%.
- Created an interactive dashboard using Folium & GIS mapping to visualize optimized collection routes and real-time bin statuses.
- Integrated Google Maps API for real-world routing, ensuring dynamic adjustments based on bin fill levels and traffic conditions.
- Optimized route planning reduced travel distance from 10.20 km to 3.47 km (66% reduction), minimizing unnecessary trips.
- Fuel consumption decreased by 66% (from 2.04L to 0.69L), leading to substantial cost savings and improved efficiency.
- Operational cost savings: Fuel costs were reduced from \$3.06 to \$1.04, cutting expenses by 66% through real-time bin data integration.
- Real-time data-driven scheduling replaced fixed-route collection, ensuring bins were emptied based on actual fill levels, reducing redundant pickups.

✓ Chatbot Development for Customer Support

- Designed and implemented a customer support chatbot using Amazon Lex, automating responses to enhance customer experience and reduce support workload.
- Built ETL pipelines using AWS Glue and AWS Lambda to integrate the chatbot with a customer database (AWS DynamoDB and RDS), enabling real-time access to user profiles and purchase history for personalized interactions.
- Leveraged Natural Language Processing (NLP) techniques to improve the chatbot’s understanding of user queries and optimize response accuracy.
- Utilized Python to develop custom backend functions via AWS Lambda, enabling complex queries and dynamic data retrieval for contextual responses.
- Automated infrastructure provisioning using Terraform, deploying AWS services such as Lex, Lambda, DynamoDB, RDS, and S3 efficiently and maintaining infrastructure as code (IaC).
- Created data dashboards in Power BI using AWS QuickSight to analyze chatbot interactions, identify common customer queries, and track engagement metrics for continuous improvement.
- Conducted regular data quality checks to ensure chatbot responses remained accurate, relevant, and up-to-date with the latest customer data.

Entrepreneurial Achievements

- La Trobe University Entrepreneurship Program (Finalist)
- Developed and showcased a Skipping Rope Business Idea, receiving appreciation from the panel.
- Successfully raised \$10,000 in funding for the business.
- Recognized as a finalist in the Entrepreneurship Competition.
- Featured on La Trobe University’s website for entrepreneurial achievements.

CERTIFICATION

- **SAS** – La Trobe University Academic Specialisation (Nov 2024): Big Data, Data Cleaning, Exploratory Data Analysis
- **Innovation and Entrepreneurship** – La Trobe University (Jul 2023): Business Planning, Problem Solving
- **AWS Cloud Practitioner** – Udemy (Jan 2023): Data Collection, Forecasting, Access Management
- **Tableau Training** – Simplilearn (May 2022): Data Analytics, Data Visualisation