

Aashay Zende

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EDUCATION

D'Amore-McKim School of Business - Northeastern University

Master of Science in Business Analytics - D'Amore-McKim Achievers Scholarship

Boston, MA

August 2023 – December 2024

Manipal Institute of Technology

Bachelor of Technology in Automobile Engineering

Manipal, India

August 2018 – May 2022

SKILLS

Areas of expertise: Data and Business Analysis, Project Management, Requirement Analysis, Gap Analysis, Agile and Waterfall Methodology, Data Visualization, Research and Documentation

Database: MySQL, MS SQL Server, Oracle, Snowflake

BI & Tools: Alteryx, Tableau, Power BI, Microsoft Office, Jira

Languages: R, Python, SQL, HTML/CSS, JSON, XML

EXPERIENCE

Athena Coding, STEM Instructor - Boston, MA

Jan 2025 – Present

- Design and deliver robotics, AutoCAD, 3D printing for med-tech, Minecraft and Scratch programming lessons for after-school enrichment programs for schools like Dudley Street Charter School, The Avent School and Pathway Initiative, TSNE.
- Translate complex topics like embedded systems, sensor calibration, mechanical design, programming logic, and more, into age-appropriate, gamified lessons.

Clatch Fund LLC, Business Analyst Intern - Boston, MA

Jun 2024 – Dec 2024

- Developed LSTM neural network models enhanced with ARIMA-GARCH residuals and financial indicators, improving forecasting accuracy of volatile put and call option contract trading by 11% over existing models.
- Conducted comprehensive requirement gathering and gap analysis through stakeholder interviews and cross-functional workshops.
- Coordinated between quant, trading, and tech teams to streamline communication and ensure alignment on model integration and reporting needs.
- Created and maintained detailed documentation on business processes, technical specs, and data workflows for internal and compliance use.
- Analyzed business objectives and translated them into actionable data and analytics requirements aligned with strategic goals.

Redseer Strategy Management, Business Analyst

Feb 2022 - May 2023

- Led workstreams analyzing 12+ e-commerce models product lines in the Benchmarks department to support market-entry and expansion strategies for retail clients including Amazon, Flipkart, and Reliance; delivered solutions that improved operational efficiency by 18% and reduced customer acquisition costs by 15% using structured problem-solving methodologies.
- Partnered with client-side VPs and strategy leads to co-develop 20+ tailored go-to-market and operational strategies, driving budget shifts and marketing performance improvements through cross-functional alignment and benchmarking enhancements.
- Facilitated cross-functional alignment by regularly engaging with client VPs and strategy teams to refine product-market fit, improve benchmarking practices, and co-develop over 20 customized operational strategies.
- Built data models using Python and R to assess portfolio performance for global investment clients (e.g., Warburg Pincus, Meta, Tencent), contributing to a 18% uplift in portfolio returns through realignment of investment theses.

PROJECTS

- **LoopMIT, Department Head - Vehicle Dynamics** - Led mechanical systems for a high-speed Hyperloop pod featured in SpaceX Hyperloop Competition and European Hyperloop Week; designed and simulated chassis and suspension using SolidWorks and AutoCAD, integrating magnetic levitation to optimize performance in vacuum conditions.
- **Supply Chain Analytics Dashboard** | [Tableau](#) - Designed dashboards for analyzing order fulfillment and inventory trends.
- **Loan Default Prediction using Deep Learning** | [TensorFlow](#), [Keras](#) - Conducted predictive modeling on vehicle auction data to identify high-risk transactions.
- **Options Price Prediction using LSTM** | [Python](#), [Keras](#), [LSTM](#) - Developed an LSTM model to forecast options contract prices using historical market data, achieving better accuracy by 11% over existing models.