

Vidhi Arun Sharma

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Education

- **Boston University** Sep 2024-Present
Master of Science, Applied Business Analytics
- **Maharashtra Institute of Technology World Peace University** Aug 2019 - Oct 2022
Bachelor of Science, Computer Science (GPA: 3.83/4.00)

Skills

- **Data Analytics & BI Tools:** SQL, Python, R, Tableau, Power BI, MS Excel, SAS, Azure, PostgreSQL, AWS, Google Analytics, predictive analytics, statistical modelling, forecasting, ETL workflows, data pipelines, automation, data storytelling.
- **Business & Process Management:** Operations management, workflow optimization, performance tracking, capacity planning, resource allocation, inventory management, Agile methodologies, KPI evaluation, business process improvement.
- **Professional Skills:** Communication, collaboration, adaptability, strategic thinking, problem-solving, time management, leadership potential, attention to detail, customer-centric mindset.

Experience

- **The Youth Complex** Oct 2025-Present
Business and Operations Analytics Intern
Supported non-profit operations and strategic planning by streamlining internal systems for information flow and compliance, and assisting with data-driven reports on youth engagement and program outcomes for key stakeholders and fundraising efforts.
- **Boston University Information Services & Technology** Jul 2025 – Present
Student Assistant
Managed departmental spreadsheets and weekly reports in Excel, streamlined office operations and database updates, and ensured uninterrupted office operations by monitoring inventory and supplies.
- **Maharaj Multi-Systems** Jan 2024 – Jul 2024
Analyst
Started as an Intern, quickly promoted to a short-term contract after 6 months for strong performance. Improved workflow efficiency by 15% and reduced errors by 25% through operational data analysis. Strengthened client retention by 30% by providing timely insights and coordinating cross-functional resource optimization.
- **Pimpri Chinchwad Media Communication** Aug 2022 – Aug 2023
Database Intern
Reduced resolution times by 20% through diagnostics & troubleshooting, supported deployment cycles with database integration. Boosted client retention by 40% through solution-oriented communication & technical support.

Projects

- **Baychester, Bronx – Real Estate Analytics**
Analyzed 17 years of property transactions to forecast revenue and identify high-yield neighborhoods. Automated predictive models cut manual work by 50% and recommended a 4% commission strategy to maximize profitability.
- **Craft Beer Business Simulation**
Simulated the launch of a microbrewery to optimize operations, finance, HR, and innovation strategies. Achieved break-even in 9 months and projected \$4.3M median profit over 36 months through data-driven decision-making.
- **Northwind Database Analytics**
Evaluated company sales, employee performance, and customer behavior using SQL and Python. Uncovered seasonal sales swings highlighted high-margin products, and defined high-value vs. high-volume customers.
- **Agile Sprint Planning**
Simulated a full Scrum sprint using GitHub Projects. Created 10 user stories, prioritized tasks across Icebox, Backlog, and Sprint boards, and delivered end-to-end sprint planning.
- **Lightcast Job Postings Analysis**
Processed 50K+ job postings with AWS and Python to uncover labor market trends. Produced visualizations that mapped in-demand skills and supported workforce planning and career decision-making.
- **Lobster Land Analytics**
Conducted EDA, clustering, A/B testing, and predictive modelling for a fictional amusement park. Improved passholder renewal prediction accuracy by 25% and provided pricing and promotion insights to optimize revenue.
- **Skincare Sales Data Analysis**
Personal project analyzing 100+ beauty product sales to track purchasing trends and seasonal shifts. Built an interactive dashboard that revealed pricing insights and optimized beauty spending strategies.
- **Stickley Adhesives Operations Analysis**
Reviewed manufacturing workflows to identify operational bottlenecks and inefficiencies. Proposed process optimization strategies projected to boost throughput by 20% and reduce delays.

Certifications and Publications

Generative AI: Introduction and Applications (IBM), Introduction to Agile Development and Scrum (IBM), AWS Academy Graduate – Cloud Foundations (AWS), Data Privacy Fundamentals (Northeastern University), Front-End Development (Meta), HTML, CSS, and JavaScript for Web Developers (Johns Hopkins), Python Basics (University of Michigan), CS50x Introduction to Computer Science (Harvard X), Introduction to Psychology (Yale), Analytics for the People Who Don't Think They're Doing Analytics" Women Write Publication on Medium, November 2025.

Volunteering & Non-Profit Work

Help Social Welfare Society (women health campaigning) · Youth Empowerment Foundation (education & fundraising) · Sahas for Animals (animal welfare support)