

# Sagar Chitre

312-934-9973 | [sagarchitre.ae@gmail.com](mailto:sagarchitre.ae@gmail.com) | Chicago, IL | Open to Relocate | [LinkedIn](#) | [Portfolio](#)

## WORK EXPERIENCE

- Illinois Institute of Technology, Chicago - Research Assistant - Analytics

Aug 2024 — Present

  - Dashboard Development:** Designed and deployed 10+ interactive dashboards using Power BI, Tableau, and SQL, greatly improving communication flow by 40% and reducing data discrepancies by 35%.
  - Automation & Reporting:** Led university-wide data initiatives, including research tracking and automated reporting pipelines using Python scripts, optimizing strategic decision-making and reducing report generation time by 20%.
  - Academic Operations Oversight:** Managed operations for 75+ students by overseeing complex end-to-end data workflows, ensuring timely deliverables, and enhancing team collaboration through reproducible analytical code.
- Extern, Webacy, San Francisco - Data Analyst

Sep 2024 — Nov 2024

  - Customer Segmentation:** Improved segmentation accuracy by 20% using advanced K-Means Clustering techniques in Python on 500+ real-world records, enabling more targeted marketing strategies.
  - Dashboard Reporting:** Built and maintained fully customized Tableau dashboards to visualize real-time KPIs and core business metrics, streamlining decisions and enhancing executive-level visibility.
  - Data Quality Assurance:** Executed rigorous, recurring SQL-based audits, achieving 99% data accuracy across high-volume datasets while implementing scalable, automated reporting systems and workflows.
  - Cross-Functional Collaboration:** Worked closely with product, marketing, and engineering teams to integrate analytical insights into strategic business planning, driving actionable data-backed recommendations.
- WNS Global Services, India - Business Analyst

Aug 2021 — Jun 2022

  - Data Analysis:** Analyzed large-scale enterprise datasets using advanced SQL queries and statistical techniques, identifying bottlenecks that led to a 20% increase in operational efficiency and reporting accuracy.
  - BI Dashboarding:** Created dynamic and insightful Power BI dashboards for real-time business intelligence and performance tracking, enabling faster decisions and reducing report turnaround time by 30%.
  - ETL & Data Modeling:** Built complex relational data models and automated ETL workflows using Power Query, DAX, and SQL scripts, ensuring data consistency across enterprise systems and departments.
  - Ad Hoc Analysis:** Performed detailed ad hoc analysis using Excel, SQL, and Power BI visualizations, translating raw data into meaningful insights for strategic client-facing initiatives.
- The Sparks Foundation, India - Data Analyst Intern

Mar 2021 — Jul 2021

  - Cost & Resource Optimization Dashboard:** Developed an interactive Tableau dashboard using Kaggle financial and logistics datasets to support cost optimization and improve strategic decision-making.
  - Customer Behavior Analytics:** Analyzed 105K+ customer records using SQL, Excel, Python (Pandas, NumPy) to uncover trends and performance drivers, improving customer intelligence by 12%.
  - Visualization & Reporting Automation:** Created dynamic dashboards and automated reporting using Tableau, Power BI, and Google Data Studio, improving accuracy and executive visibility.

## PROJECTS

- AI-Driven Supply Chain Analytics Automation

  - Developed an AI-driven supply chain analytics pipeline using N8N, Supabase (PostgreSQL), and Quadratic to automate data ingestion, cleaning, and KPI analysis with Python and SQL.
  - Enabled intuitive, real-time reporting by visualizing key KPIs and allowing business users to generate insights through natural language prompts.
- Urban Mobility Patterns

  - Built a scalable data pipeline using AWS S3, SageMaker, Lambda, Glue, and Athena to automate extraction and real-time querying of urban transportation data.
  - Delivered actionable insights by analyzing mobility patterns with AWS Athena and visualizing results in Power BI to support data-driven decision-making.

## EDUCATION

Illinois Institute of Technology, Chicago - *Master of Information Technology and Management*  
University of Mumbai, India - *Bachelor of Technology*

## SKILLS

- Programming Languages

: Python(Pandas, NumPy, Matplotlib, Seaborn), R, SQL, Java, JavaScript
- Data Visualization

: Power BI, Tableau, Excel (Pivot Tables/VBA), Snowflake
- ML & Statistics

: K-Means Clustering, Regression Analysis, Predictive Modeling, Statistical Analysis, Time Series Forecasting
- Cloud Services

: AWS (S3, SageMaker, Lambda, Glue, Athena), Azure
- Business Intelligence

: Data Cleaning & Preprocessing, Data Integration, Data Modeling, Data Warehousing, Looker Studio, Data Storytelling
- Certifications

: Salesforce Certified AI Associate, AWS Certified Cloud Practitioner, Google Data Analytics Professional Certificate, Lean Six Sigma by PMI