

Priyam Mistri

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EDUCATION

Masters of Science in Data Science, Analytics and Engineering

May 2026

Arizona State University, Tempe, AZ

- Relevant Coursework: Fundamental of Statistical Machine Learning, Statistical Machine Learning Theory to Practical, Advance Database Management Systems, Data Mining, Software Security, Probability and Random Processes, Analyzing Big Data, Data Visualization & Reporting.

EXPERIENCE

Graduate Service Assistant, Arizona State University, Tempe, AZ

September 2025 - Present

- Integrated AI techniques like predictive modeling and correlation analysis into housing affordability dashboards, enabling scenario testing, future trend forecasting, and actionable policy insights.
- Cleaned, integrated, and analyzed ACS and administrative housing datasets using Python and R; conducted geospatial analysis at block group, census tract, and ZIP code levels to highlight disparities across Arizona.
- Designed and deployed interactive dashboards in Tableau, Power BI, and R Shiny, translating complex statistical results into accessible visuals and narratives for policymakers and community partners.
- Collaborated with faculty researchers and peers in weekly project planning meetings, ensuring research workflows were accurate, reproducible, and aligned with community-driven objectives.

Academic Operations & Analytics Aide, Arizona State University, Tempe, AZ

October 2024 – September 2025

- Developed and automated data tracking systems using Python, SQL, and Google Sheets to monitor classroom equipment usage, reducing downtime and enhancing operational efficiency.
- Built interactive dashboards in Power BI and Tableau to visualize maintenance KPIs, driving data-informed decision-making across facilities and support teams.
- Led a team of student aides, introduced process improvements, and collaborated with IT to streamline issue resolution, improving service response time by 30%.

Data Analyst, Safal Infosoft Pvt. Ltd, Ahmedabad, India

January 2023 - June 2024

- Executed data cleaning and validation using SQL and Python on large datasets, ensuring data integrity for accurate business reporting and dashboard development.
- Streamlined Power BI data ingestion and cleaning, decreasing refresh times by 30% and improving critical business metric reliability.
- Collaborated with cross-functional teams to develop automated Tableau dashboards for sales and marketing, reducing manual reporting time by 40% and enabling real-time performance tracking.
- Computerized data verification workflows for internal systems, reducing data entry errors by 10% through proactive discrepancy resolution.
- Led training for 5+ analysts on Tableau and Power BI, resulting in a 30% improvement in dashboard development speed and fostering stronger cross-functional collaboration.

Software Engineer, Safal Infosoft Pvt. Ltd, Ahmedabad, India

December 2022 - June 2024

- Built scalable web applications with TypeScript, Angular, and C++, improving load speed by 25% and delivering high-quality user experiences.
- Integrated RESTful APIs and microservices, reducing backend latency by 40% and ensuring system efficiency.
- Designed and deployed cloud-based solutions using AWS and Azure, resulting in a 50% faster deployment cycle and more efficient data management.
- Collaborated on ERP System development (FORMEZY) for a 500+ employee firm, streamlining inventory and HR workflows.
- Led the development of a Distributor Management System, improving field operations by 50%.
- Configured and led code and hardware design reviews for embedded system projects, ensuring compliance with IEEE standards and reducing post-deployment bugs by 25%.

SKILLS

- Technical Skills: C++, Python, TypeScript, SQL, JavaScript; Git, RESTful APIs, Microservices, Angular, Big Data, Machine Learning
- Tools & Analytics: AWS, Azure, Power BI, Tableau, Jupyter, Pandas, NumPy, Scikit-learn, ETL, Forecasting, Jira, Chi-squared, co-relation analysis, Databricks, PySpark, Alteryx, Statistical Modeling.
- Business Skills: Dashboarding, KPI Reporting, Automation, Process Improvement, Data Storytelling, Communication, Data Analysis, AI, Data Modeling, Software Development, Team Work

PROJECT EXPERIENCE

Food Market Analysis

July 2025 - July 2025

- Conducted end-to-end analysis of customer behavior using Python, Pandas, and Seaborn in the food retail industry.
- Identified key spending and engagement trends across age groups and proposed optimized marketing strategies to improve campaign effectiveness.

Movie Genres Data Analysis

July 2025 - July 2025

- Analyzed movie genre trends using Python, performing data cleaning, EDA, and time series analysis.
- Visualized insights with Matplotlib and Seaborn to compare genre popularity, ratings, and trends over time.

HR ANALYTICS DASHBOARD

March 2025 - March 2025

- Built an interactive HR analytics dashboard using Power BI, SQL, and Python to track key workforce KPIs, enabling data-driven HR decision-making.
- Analysed employee demographics and retention patterns, uncovering high-risk attrition segments and providing actionable insights to improve recruitment efficiency and workforce planning.

Formezy - Dynamic ERP System

December 2022 - January 2024

- Built a full-stack ERP system with modular architecture using Angular, ASP.NET, and Microsoft SQL Server to streamline business operations.
- Implemented real-time dashboards, role-based access control, and integration with Google Calendar, chat, and email.