

Mili Patel

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SUMMARY

Detail-oriented and motivated **Computer Science and Data Science double major at Rutgers University**, actively pursuing a role as an entry-level Data Analyst. Proficient in Python, SQL, R, Tableau, Excel, and Jupyter Notebook. Hands-on experience in data cleaning, transformation, profiling, and statistical analysis. Familiar with data warehousing, business intelligence, and data governance practices. Skilled in trend analysis and research, with a strong understanding of data ethics. Passionate about using data insights and analytical thinking to drive data-driven decision-making and solve real-world problems.

TECHNICAL PROFICIENCY

Programming: Python, Java, SQL, R | **Databases:** SQL Server, MySQL | **Data Tools:** Tableau, Pandas, NumPy, MATLAB | **Concepts:** Data Mining, Data Cleaning, Reporting, Data Analysis Techniques, Data Visualization, Data Interpretation, Data Storytelling, Data Strategy, Data Ethics, Analytical Thinking, Research Skills | **Software:** Microsoft Office Suite, Wireshark | **Tools:** Excel, Power Query, Jupyter Notebook, PostgreSQL, Google Analytics, Microsoft Access | **Operating Systems:** Windows (7–11), macOS, Linux, Ubuntu.

EDUCATION

Rutgers University, New Brunswick, NJ | **GPA: 3.7** | Expected Graduation: May 2026

Bachelor of Science | **Computer Science & Data Science** | **Honors: Dean's List (2025)**

Relevant Coursework: Machine Learning, Regression Methods, Inference for Data Science, Data Management for Data Science, Data Structures and Algorithms

Middlesex County College, Edison, NJ | **GPA: 3.67** | Graduated: August 2024

Associate of Science | **Computer Science** | **Honors: Dean's List (2023–2024)** Activities: Computer Science Club – MCC

PROJECTS

Airline Reservation System Web Application

Mar 2025-May 2025

Technologies: JSP, Servlets, MySQL, JDBC, HTML, CSS, Apache Tomcat, Maven

- Developed a full-stack flight booking platform with user/admin interfaces and a normalized MySQL schema for storing flight, user, and booking data.
- Applied data cleaning, profiling, transformation, and predictive analytics to ensure data quality and forecast booking trends.
- Created data strategy and modeling documentation to support structured backend development and reporting.
- Designed business intelligence dashboards and used data visualization and storytelling to present real-time user activity and trends.
- Improved booking efficiency by 30% by optimizing data workflows, automating processes, and enhancing input validation.
- Ensured compliance with data ethics and supported scalable data architecture for secure, efficient data storage.

CERTIFICATIONS

- Google Data Analytics Professional Certificate – Coursera (In progress)
- Tableau 2024.1: Essential Training – LinkedIn Learning (May 2025)
- SQL (Basic)- HackerRank (Dec 2023)
- Software Engineer Intern – HackerRank (Dec 2023) : Passed role-based certification exam demonstrating core software engineering skills

PROFESSIONAL EXPERIENCE

Assistant Supervisor | IP&O, Rutgers

May 2025- Present

- Supervise daily operations for a team of 8+ staff across 10+ buildings, ensuring timely completion of 100+ weekly maintenance tasks and work orders.
- Contributed to operational data strategy by analyzing maintenance data trends and creating user-friendly solutions to streamline reporting processes.
- Coordinate equipment maintenance schedules and support inspections, achieving 100% adherence to safety standards.
- Streamlined task assignment and documentation procedures to reduce response times by 20%.
- Assisted in implementing scalable operational workflows using internal tools, contributing to a 15% improvement in team productivity.

Client Support Intern | Jackbull Fin

Jan 2023- June 2023

- Resolved 100+ support tickets by diagnosing hardware issues, including CPU and peripheral replacements, improving workstation reliability, and reducing average resolution time by 25%.
- Conducted system upgrades and assisted with server maintenance to optimize performance and minimize downtime.
- Supported database management and data integration for internal systems, ensuring smooth and accurate data flow.
- Documented technical solutions and enhanced system configuration practices to streamline future troubleshooting.
- Communicated technical information in clear, user-friendly terms to support and train non-technical clients.