

Medha Subramaniyan

“Turning data into information, and information into insight.”

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EDUCATION

University of Central Florida | Orlando, Florida

B.S. Computer Engineering | GPA: 3.74

December 2026

Relevant Courses: Algorithms for Machine Learning, Probability & Statistics for Engineers, Processes for Object-Oriented Software Development, DSA + Algorithm Analysis + OOP, Enterprise Computing, Statistical Methods I

TECHNICAL SKILLS

Languages: Python, R, SQL, Java, Javascript, C, MATLAB,

Visualization/Database Management: Tableau, PowerBI, MySQL, PostgreSQL, MongoDB

Cloud/Other: Microsoft Office, Microsoft Excel, AWS, Azure, Git, ETL, EDA

EXPERIENCE

Data Analyst | CORE Entertainment | Atlanta, GA | REMOTE

Oct 2023 - Present

- Built and maintained a centralized data pipeline using **Python, SQL, and Google Sheets**, streamlining reporting on ticket sales, attendance, and bar revenue across 15+ events.
- Created interactive **Tableau dashboards** to visualize sales trends, peak traffic hours, and promo code effectiveness, supporting a **13% increase in marketing ROI**.
- Conducted exploratory data analysis on event performance, uncovering patterns in purchase behavior and optimizing pricing tiers - resulting in a **~15% boost in early ticket sales**.
- Designed and implemented a lightweight **check-in and bar sales tracking system**, enabling the first internal tracking of real-time attendance and bar performance metrics.

Data Analyst Intern | Infections Disease Professionals | Cumming, GA

May 2023 - Aug 2023

- Maintained, organized, and visualized patient data using **Excel, Python, SQL, and Tableau** ensuring accuracy and accessibility.
- Implemented **data cleaning and validation** processes, **reducing errors by 18%** and improving data reliability.
- Streamlined communication** with healthcare providers to expedite medication approvals and improve patient outcomes.
- Delivered actionable reports** to the billing manager, enabling data-driven decision-making.

PROJECTS

NBA Analytics Articles - *Independently Published via Substack*

- Developed and automated Python/SQL pipelines** to collect, clean, and structure large datasets from APIs, improving data integrity and reducing manual workload.
- Performed **exploratory data analysis** using statistical techniques to uncover trends, evaluate performance drivers, and guide strategic insights.
- Created interactive Tableau dashboards** and visual reports to support data storytelling, translating complex findings into accessible, actionable insights for non-technical audiences.

Patient Appointment Flow Analysis

- Used **Python and SQL** to analyze **over 11000 patient records**, identifying key trends in appointment flow and demographic distribution for Infectious Disease Professionals LLC.
- Designed and deployed** interactive **Tableau dashboards** that **tracked critical metrics**, leading to a **15% improvement** in appointment compliance and patient satisfaction.
- Presented** actionable insights to owners, **influencing policy changes** that **enhanced operational efficiency by 12%**.