

ARNAV GHOLAP

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SUMMARY

I solve real-world problems using technology and structured management practices. I have led machine qualification and cross-functional rollouts that improved lead times and reduced defects. My strengths include project planning, process optimization, and team leadership. I translate data into clear decisions, mentor teams through hands-on solutions, and am committed to delivering measurable organizational value in every endeavor I support, driving sustainable scalable impact.

EDUCATION

Master of Science in Engineering Management
University Of Massachusetts Amherst

May 2027
Amherst, MA

Bachelor of Technology in Computer Engineering with Honors in Cybersecurity
KJ Somaiya College of Engineering, India

June 2025
GPA: 3.83/4.0

EXPERIENCE

Purplle.com
Business Analyst Intern

Mumbai, India
Dec 2024-Aug 2025

- Engineered automated monitoring for ad inventory using Python, SQL, and Airflow to qualify performance, detect real-time anomalies and trigger alerts that prevented revenue leakage across a \$960K/month ad ecosystem.
- Launched a new ad slot on the Product Display Page by coordinating engineering, marketing and commercial teams, unlocking underutilized inventory and generating \$24K+ in incremental monthly revenue through a validated rollout.
- Defined business requirements and mapped system architecture to migrate ad delivery in-house, documenting functional gaps and aligning stakeholders to enable scalable platform ownership and operational efficiency.
- Performed root-cause analysis on low-yield ad placements using SQL, Tableau and ran pricing experiments that improved click-to-order conversion by 10% by reducing decision friction and increased overall system capability.

Caarya Innovative Solutions
Business Analyst Intern

Mumbai, India
Aug 2023-Oct 2024

- Overhauled inventory-to-production workflows by mapping process handoffs, creating data-validation scripts and implementing inventory controls that shortened lead time from 9 days to 5 days while maintaining 99% in-spec yield.
- Automated supplier quality reporting with Python and SQL, consolidating multi-source defect metrics into a single dashboard that accelerated root-cause analysis by 22% and improved vendor corrective action turnaround.
- Introduced statistical process control for prefabricated dental cap batches: defined sample plans, implemented SPC dashboards in Excel, and triggered corrective actions—boosting throughput and reducing defect rates by 15%.
- Led cross-functional machine-qualification exercises, executing calibration and capability studies on new 3D-printing fixtures and establishing correlation protocols that achieved $\pm 5\%$ size tolerance across all parts.

PROJECTS

- Retail-Sales-Analysis : Improved inventory planning accuracy by uncovering seasonal sales trends and customer behavior patterns, achieved through analyzing retail datasets with Python for actionable business insights.
- SentiCast : Engineered a media recommendation engine by applying sentiment analysis to user comments, leveraging NLP techniques and Jupyter Notebooks to personalize content delivery and improve user engagement.
- IMDb-Exploratory-Data-Analysis : Uncovered trends in movie ratings and audience preferences by mining IMDb datasets, presenting insights through dashboards to showcase data-driven storytelling for strategic decision-making.

RELEVANT SKILLS

- Analytics & Tools:** Python, SQL, Excel, Tableau, Power BI, dashboard design, KPI tracking, metrics automation, anomaly detection, ETL pipelines, Airflow, PostgreSQL/MySQL, REST APIs, Git/GitHub, Data Visualization.
- Supply Chain, Operations & Quality:** Demand forecasting, inventory analysis, capacity planning, lead-time and cycle-time optimization, production scheduling, process qualification and validation, measurement system analysis (MSA), statistical process control (SPC), calibration and capability studies, root-cause analysis, Six Sigma.
- Project Management:** Release & rollout validation, backlog grooming, go-to-market coordination, stakeholder management, requirements & acceptance criteria, vendor management, OKR alignment, risk identification & mitigation, resource & budget planning, change management, Agile methodologies, cross-functional collaboration, strategic planning, milestone tracking, performance reporting, Lean principles, process improvement.