

Smit Thakare

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EDUCATION

Columbia University Master of Science in Computer Science, Machine Learning Track.	New York, NY Aug 2025- Dec 2026
K.J. Somaiya College of Engineering B.Tech in Information Technology (Honours in AI), GPA: 9.3/10.00.	Mumbai, IN Jul 2021 - May 2025

CORE COMPETENCIES

Data Analysis • SQL • Python (Pandas, NumPy) • Data Visualization • Statistical Analysis • Business Intelligence • Excel • Dashboard Development • Data Mining • Research Analytics • Stakeholder Communication • Data Quality Management

WORK EXPERIENCE

Columbia Business School - Behavioral Research Lab Student Research Worker	New York, NY Jan 2026 - Present
<ul style="list-style-type: none">Build automated reporting systems using Python and SQL processing behavioral and financial datasets; develop data dashboards delivering business insights supporting decision-making across research operations and stakeholder teams.Design business intelligence reporting and data visualization tools; gather requirements from faculty stakeholders and create custom analytics solutions supporting operational efficiency and strategic planning initiatives.	
Columbia University - Natural Language Processing Lab Machine Learning Research Assistant - Advisor: Professor Kathleen McKeown	New York, NY Jan 2026 - Present
<ul style="list-style-type: none">Conduct applied research on continual learning and emotional reasoning in large language models; reviewed extensive research on catastrophic forgetting and affective computing to advance foundation model capabilities.Built PyTorch evaluation pipelines measuring model retention performance across training cycles; developed metrics framework for assessing continual learning effectiveness in production LLM systems.	
Savic Technologies Data Analytics Intern	Mumbai, IN Jan 2025 - Apr 2025
<ul style="list-style-type: none">Built business intelligence dashboards using Python and SQL processing operational data from ERP platforms; developed reporting systems integrating with SAP improving recruitment operations efficiency by 34% through data-driven insights.Designed analytics dashboards via RESTful APIs delivering operational and financial metrics; gathered requirements from business users and created custom reporting solutions increasing stakeholder engagement by 30% through actionable insights.	
K.J. Somaiya College of Engineering Data Analysis Research Assistant	Mumbai, IN Jan 2023 - Jan 2024
<ul style="list-style-type: none">Developed automated data extraction and reporting pipelines analyzing 50+ documents; built analytical workflows achieving 85% accuracy through systematic data quality procedures published in Springer ICDMAI 2024.Created reusable reporting templates for recurring business analytics tasks; improved data processing efficiency by 14% through automation supporting scalable operational reporting and decision-making.	

PROJECTS

Yield Curve Visualizer - BI Analytics Platform	Mar 2025 - May 2025
<ul style="list-style-type: none">Built full-stack business analytics application using Python, SQL, PostgreSQL, and data visualization tools; designed reporting interface displaying financial data from FRED and U.S. Treasury APIs supporting business analysis and strategic planning.Implemented interactive business intelligence dashboards displaying 200+ time series with financial trend analysis; optimized reporting queries improving dashboard performance by 40% enabling real-time operational insights.	
Multimodal Photo Search - Data Management System	Sep 2025 - Dec 2025
<ul style="list-style-type: none">Engineered data management solution processing user data and content; built reporting systems achieving <0.5s query latency through optimized data architecture supporting business operations at scale.Designed analytics reporting system with custom business views; gathered user requirements and implemented flexible reporting models achieving 4.3/5 user satisfaction through iterative design and stakeholder feedback.	
Medical Chatbot - Data Integration System	Feb 2025 - Apr 2025
<ul style="list-style-type: none">Developed data processing application handling 200+ documents; built automated reporting workflows enabling real-time analytics and operational insights for healthcare business operations.Designed reporting architecture supporting business analytics; created documentation and training materials for end-user adoption achieving 85% accuracy through systematic validation and quality procedures.	

SKILLS

- Data & Reporting:** SQL, Python (Pandas, NumPy), Data Visualization, Dashboard Development, Business Intelligence Reporting, Excel
- Business Analytics:** Power BI, Data Analysis, Operations Analytics, Financial Reporting, Supply Chain Data Analysis
- Tools & Platforms:** PostgreSQL, Microsoft SQL Server, Git, Jupyter Notebooks, FastAPI, Statistical Analysis
- Business Skills:** Stakeholder Communication, Requirements Gathering, Cross-Functional Collaboration, Project Management