

AMIT BADONI

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Education

Georgia Institute of Technology

Master of Science in Analytics

Atlanta, USA

December 2026

Indian Institute of Technology Kanpur

B.Tech & M.Tech (Dual Degree) in Chemical Engineering

Kanpur, India

July 2022

Work Experience

Smartworks Coworking Spaces

Gurgaon, India

Founder's Office Intern - Strategic Initiatives & Innovation

April 2025 - June 2025

- Directed a CRM AI agent pilot utilizing LLM-generated natural language to SQL conversion for real-time metric access.
- Initiated AI SaaS tools for design and HR processes, achieving 30% & 80% respective reductions in turnaround time.
- Engineered an automated pipeline to convert raw attendance data into Power BI dashboards and REST API-triggered WhatsApp alerts, reducing manpower shortage resolution time by 25%.

Rocket Learning

Bangalore, India

Data Product Manager

March 2024 - April 2025

- Constructed Power BI dashboards leveraging SQL on millions of user-event records to oversee 10+ features and resolved 50+ developer issues.
- Deployed a WhatsApp-based RAG AI agent for education workers, creating dashboards in Looker Studio via Google BigQuery SQL queries, with 3,000+ users onboarded and reaching 10% DAU in 2 months.
- Collaborated with data engineers to architect ETL pipelines for AWS Redshift transition orchestrated by Airflow; automated 100+ metrics for A/B testing and reporting with SQL, resulting in a 15% experiment uplift.

McKinsey & Company

Mumbai, India

Business Analyst - 2

September 2022 - March 2024

- Achieved 2% reduction in coal consumption for an energy client by implementing a CART model to optimize process parameters.
- Contributed to a GenAI impact report for NASSCOM; aggregated insights from internal pilots and over 15 CxO interviews.
- Generated a \$1M EBITDA pipeline for an auto supplier; coordinated with 15+ stakeholders and delivered 40% in value.

Projects

Interpretable Machine Learning for U.S. Life Expectancy (County-Level Analysis)

- Integrated multi-source public health datasets from various sources to create a robust modeling dataset. Applied supervised and unsupervised learning techniques achieving MAE ~1.3 years and R² ~0.7 under k-fold cross validation. Deployed model outputs in an interactive dashboard showcasing predicted life expectancy and key contributing factors across U.S. counties.

Semantic Segmentation using PSPNet with ResNet Backbone

- Executed a PSPNet-based semantic segmentation model using a ResNet-50 backbone in PyTorch, integrating dilated convolutions and pyramid pooling. Achieved ~56% mean IoU on the CamVid dataset, improved to ~63-65% after fine-tuning.

Automated Job Application Tracker

- Engineered a workflow using LangChain with OAuth2 and Google Sheets API to streamline job application tracking, enhancing structured extraction, classification, and state updates.

Skills

- Technical Skills:** Python, SQL, Machine Learning, Data Analysis
- Tools:** Power BI, Looker Studio, Google BigQuery, AWS Redshift, Airflow, PyTorch