

# 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*

GPA - M.Tech.: 10/10; B.Tech.: 8.5/10

Kanpur, India

July 2022

## Experience

### Smartworks Coworking Spaces

*Founder's Office Intern – Strategic Initiatives & Innovation*

Gurgaon, India

April 2025 - June 2025

- Led a CRM AI agent pilot using advanced natural language to SQL for real-time metric retrieval
- Implemented AI SaaS tools in HR and design processes, reducing turnaround times by 30% and 80%
- Developed automated pipelines for converting staff attendance data into dashboards and alert systems, decreasing manpower shortage resolution time by 25%

### Rocket Learning

*Data Product Manager*

Bangalore, India

March 2024 - April 2025

- Designed Power BI dashboards analyzing millions of user records for feature monitoring, resolving over 50 issues
- Launched an AI agent via WhatsApp for educational support, using SQL to onboard 3,000+ users with a daily active user rate of 10% within 2 months
- Partnered with data engineers to transfer ETL pipelines to AWS Redshift, automating 100+ metrics for A/B testing and delivering a 15% uplift in experiments

### McKinsey & Company

*Business Analyst - 2*

Mumbai, India

September 2022 - March 2024

- Achieved a 2% reduction in coal consumption for an energy client by developing a CART model for optimization
- Contributed to NASSCOM GenAI impact report, consolidating insights from internal pilots and 15+ executive interviews
- Established a \$1M EBITDA pipeline for an automotive supplier by coordinating with over 15 stakeholders and achieving a 40% value delivery

## Projects

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

- Integrated diverse public health datasets to create a robust modeling dataset. Employed interpretable learning techniques such as regularized linear models and tree-based methods, achieving robust predictive performance. Developed a dynamic GitHub-hosted dashboard to display predictive insights across U.S. counties.

### Semantic Segmentation using PSPNet with ResNet Backbone

- Implemented a PSPNet-based semantic segmentation model utilizing a ResNet-50 backbone and data augmentation, achieving a mean IoU of ~56% on the CamVid dataset. Enhanced segmentation performance through hyperparameter tuning, attaining ~63–65% mean IoU.

### Automated Job Application Tracker

- Engineered an LLM-powered workflow via LangChain integrated with OAuth2 and Google Sheets API to automate job application tracking, including data extraction and state updates.

## Skills

Technical Skills: Python, SQL, Machine Learning, Data Analysis

Tools: Power BI, Looker Studio, Google BigQuery, AWS Redshift, Airflow, PyTorch