

SATVIK ADYANTHAYA

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PROFILE

Applied data scientist with hands-on statistics, predictive modeling, time series, simulation, model validation, big data, cloud platforms, and business-facing delivery across research, operations, and early-stage products.

EDUCATION

University of Rochester, Simon Business School

MS Business Analytics, STEM Designated, Merit Scholarship

Coursework: Machine Learning, Statistical Modeling, Predictive Analytics, Forecasting, Operations Analytics, Database Systems

Expected December 2026

Rochester, NY

Amity University

BTech Biotechnology, Concentration in Business Management

August 2021 to July 2025

Mumbai, India

EXPERIENCE

Co-Founder and Technical Lead

July 2026 to Present

Tenure Rochester, NY

- Built an AWS-backed enterprise platform, relational data model, KPI framework, and approval analytics for an institutional pilot spanning approximately 30 organizations.
- Converted ambiguous operating needs into measurable models, process recommendations, and delivery priorities; won \$2,500 in non-dilutive funding.
- Interviewed users, mapped decision flows, and defined role-based reporting so leaders could act on the same governed operating data.

Technical Advisor

May 2026 to Present

Independent AI/ML Advisory

Rochester, NY

- Advised 4 founders on modeling choices, data requirements, AI architecture, validation, and business tradeoffs across Link Ventures, the Ain Center, and URM.
- Translated technical options into clear recommendations, milestones, and risks for founders and institutional stakeholders.

AI Researcher

October 2025 to Present

Ain Center for Entrepreneurship and Innovation, University of Rochester

Rochester, NY

- Built Python and R research workflows across 35M+ papers using BigQuery, Spark, ChromaDB, and Neo4j; improved evidence quality to 94% citation accuracy through validation and error analysis.
- Applied logit and GLM methods, decision trees, random forests, clustering, XGBoost, time-series models, Monte Carlo simulation, NLP, and generative AI across predictive and research problems.
- Built ArchDisc with a local 30B model; submitted after Anthropic, Google, and OpenAI were on the board, outscored all three, and became No. 1 globally at submission; now No. 2.

Technical Assistant

September 2025 to May 2026

University IT, University of Rochester

Rochester, NY

- Resolved issues for 200+ users at a 95%+ rate and communicated root causes, priorities, and next steps to technical and nontechnical users.
- Balanced concurrent requests, documented recurring failures, and improved the consistency of support decisions and handoffs.

Research Project Lead

January 2025 to June 2025

Organic Recycling Systems

Navi Mumbai, India

- Supported 3 operations-research teams, modeled process constraints, and used statistical analysis to improve waste-to-energy conversion efficiency 15%.
- Developed analyses and executive briefs for 2 initiatives, linking technical evidence to investment and operating recommendations.
- Compared scenarios, documented assumptions and limitations, and coordinated analytical deliverables across multidisciplinary teams.

Research Intern, Drug Development R&D

June 2024 to July 2024

Glenmark Pharmaceuticals

Navi Mumbai, India

- Applied hypothesis testing, experimental design, and statistical analysis across 3 product programs and 3 laboratory functions.
- Audited multi-source experimental records and communicated exceptions before evidence entered downstream program reviews.

Founder and Developer

October 2023 to April 2024

Adyanthaya Ventures, GroveCart

Mumbai, India

- Analyzed 1,000+ products with SQL and Power BI and developed prediction, recommendation, segmentation, and marketing analytics while supporting 20% monthly growth.
- Built recurring reports that converted product, conversion, inventory, and customer patterns into commercial decisions.
- Combined technical analysis with day-to-day ownership of product, customer, and operating questions in an early-stage business.

PROJECTS AND PRIZES

- ArchDisc | Built and validated a local 30B generative AI system across 81 CAD cases; ranked No. 1 globally at submission and now No. 2.
- humanovo | Built an 11-agent biomedical hypothesis platform with PubMed-BERT, ChromaDB, and Neo4j; tested by 3 researchers with 94% citation accuracy.
- Strategic Foresight Platform | Built an AWS multi-agent forecasting and scenario simulation tool used to teach Simon MBA students.
- Simon AI-thon 2026, 2nd Place | Built an Azure analytics layer with role-based access and protected data pipelines for a HIPAA-aligned clinical workflow.
- ClawComp Finalist, ArchDisc, \$5,000 | Startup Wednesday Winner, Tenure, \$2,500 | Simon AI-thon 2026, 2nd Place.

SKILLS

Modeling: logit, GLM, ARIMA, panel data, Monte Carlo, decision trees, random forests, clustering, XGBoost, regression, classification, forecasting, model validation and audit

Programming and Data: Python, R, SAS, Matlab, SQL, Hadoop, Hive, Spark, BigQuery, data mining, machine learning, pattern recognition, NLP, generative AI

Platforms and Consulting: AWS, Azure, GCP, Power BI, Tableau, Excel, financial, risk, marketing and business models, R&D, stakeholder communication, learn quickly, multidisciplinary teamwork