

AGNIVA MONDAL

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PROFILE

Healthcare analytics professional with expertise in patient data analytics, commercial forecasting, and market access. Skilled in leveraging IQVIA datasets across adult and pediatric vaccine portfolios with a passion for decoding complexity. Currently pursuing a graduate degree at Purdue University, focusing on AI, machine learning, and data-driven strategy.

- **Skills** - Data Analysis, Data Visualization, Machine Learning, Predictive Modelling, and Forecasting
- **Tools** - SQL, Python, Tableau, Spotfire, Amazon Redshift, Snowflake, Advanced Excel, Power Point
- **Datasets** - IQVIA dataset (Rx, Dx, LAAD, FIA, NSP, NPA), PubMed, ClinicalTrials.gov.

EDUCATION

Purdue University, Daniels School of Business West Lafayette, Indiana
Master of Science in Business Analytics and Information Management (STEM Designated) August 2025 - Present

Amity University, Amity Institute of Biotechnology New Delhi, India
Bachelor of Technology in Biotechnology July 2015 – May 2019

PROFESSIONAL EXPERIENCE

The Data Mine, Purdue University West Lafayette, Indiana
Graduate Data Science Researcher August 2025 – Present

- Collaborated with Johnson & Johnson U.S. hematology medical affairs to analyze double-blinded medical market research survey data, driving insights that shape portfolio strategy and stakeholder engagement.
- Leveraging Tableau, Power BI to deliver evidence-based recommendations for multiple hematology therapeutics.

IQVIA Bangalore, India
Associate Consultant – Patient Analytics Feb 2022 - Jun 2025

- Designed and automated vaccination tracking methodologies for RSV, Tdap, and flu during pregnancy, providing state, payer, and channel level insights and improving reporting consistency for Pfizer.
- Developed co-administration analysis of COVID-19 vaccinations with flu, pneumococcal and shingles supporting cross-vaccination strategy development.
- Built claims evaluation methodology using pharmacy data to assess paid, reversal, and rejection rates, reducing manual review by ~30% and improving claims resolution accuracy.
- Estimated average out-of-pocket costs for Abrysvo, enhancing marketing competitiveness and informing pricing strategy decisions.

Genpact Pune, India
Business Analyst – Vaccine Portfolio Aug 2021 - Feb 2022

- Developed multi-geography dengue fever forecast models for Merck's global team, improving forecast accuracy and accelerating global vaccine distribution planning.

AlphaMeld Corporation Gurgaon, India
Research Analyst - Commercial Analytics Jul 2019 - Aug 2021

- Designed patient and unit-level commercial forecasts, scenario analyses, and financial valuation models (NPV, e-NPV, IRR) across IBD, oncology, agitation, and rare diseases, enhancing portfolio decision-making efficiency.
- Automated comparative pipeline analyses process, including product profiling and clinical trial assessments, reducing time-to-insight for strategic planning by ~30%.
- Streamlined data pipelines by collaborating with commercial, finance, epidemiology and brand teams, resulting in a 25% increase in workflow efficiency.

LEADERSHIP ACTIVITIES, AFFILIATIONS, HONORS

- **IQVIA Impact Award** - Awarded for contributions to the L&D initiatives and Innovative Project delivery.
- Led African student trainings in **Plant tissue culture**, GMO farming and entrepreneurship development.
- **Green Revolution Global Certification by United Nations**, focused on global environmental sustainability.
- Led NGO work **Dreamathon by Dr APJ Abdul Kalam Centre** inspiring young minds to chase their dreams.