

HARSHIL PANCHAL

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PROFILE

Analytics and AI professional with 1.5+ years of experience building data-driven decision systems across enterprise analytics, machine learning, cloud pipelines, and AI-driven strategy. Proven ability to translate complex data into actionable insights using SQL, Python, Power BI, and modern AI systems

Skills: Predictive modeling, Feature engineering, NLP, Model evaluation, Python, SQL, Power BI, Tableau, Big Query, MongoDB, NoSQL, ETL pipelines, AWS (S3, Lambda, Redshift), Google Cloud, Multi-agent systems, Explainable AI, Prompt Engineering, IT Project Management

EDUCATION

Purdue University, Daniels School of Business **West Lafayette, IN**
Master of Business Analytics and Information Management **December 2026**

Symbiosis Institute of Computer Studies and Research **Pune, India**
Bachelor of Business Administration, Information Technology **June 2023**

PROFESSIONAL EXPERIENCE

Microsoft (Industry Practicum) **January 2026 - April 2026**
Student Intern

- Led design and implementation of a multi-dimensional Community Health Score, aligning metrics across engagement, quality, and risk signals across 4 connected scoring themes with community specific thresholds
- Drove cross-platform analysis (Reddit, GitHub, Stack Exchange) using NLP to inform strategic decisions
- Presented insights to stakeholders, enabling prioritization of communities for intervention and growth strategies

3E WebApps Pvt. Ltd. (Full-time) **Indore, India**
Junior Analyst **January 2024 - July 2025**

- Owned end-to-end dashboard development, partnering with stakeholders to define KPIs across sales, operations, and customer analytics
- Automated recurring performance and operational reports, reducing manual reporting effort by 30-40% and accelerating turnaround time for business stakeholders
- Generated actionable insights supporting stock planning, cost control, and loyalty campaigns through cross-functional collaboration

Select Brands Pvt. Ltd. (Internship) **Indore, India**
Business Analyst and Market Research Intern **June 2023 - October 2023**

- Analyzed Amazon seller data to optimize ad spend, reducing ACOS by 20% in 3 months
- Conducted market and competitor analysis supporting launch of 10 new self-care products
- Identified new product opportunities through data-driven research, contributing to 100% quarterly sales growth

PROJECTS

Multi-Agent Financial Decision System

- Architected and led development of a multi-agent AI system (LangGraph) simulating Strategy, Risk, and Finance roles for 5 real-world corporate financing decision-making
- Implemented assumption governance, adversarial risk review and evaluate metrics to enhance decision reliability
- Generated scenario-based financial outputs (Downside/Base/Upside), sensitivity analyses, and recommendations

CERTIFICATIONS

- Research paper publication on Bias Variance trade-off involving ML algorithms in International Journal of Scientific Development and Research (IJS DR)
- AWS Certified Cloud Practitioner (October 2025)
- Microsoft Azure AI Data Fundamentals (December 2025)