

Riyanshi Yatin Shah

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EDUCATION

University of Illinois Urbana-Champaign, School of Information Sciences

Aug 2023 - May 2025

Master of Science in Information Management

CGPA: 3.94/4.00

Courses: Data Warehousing & Business Intelligence, Database Administration, System Analysis & Design, Information Consulting

Dwarkadas J. Sanghvi College of Engineering, University of Mumbai, India

Aug 2018 - Jun 2022

Bachelor of Engineering in Electronics and Telecommunications

CGPA: 3.91/4.00

Courses: Database Management Systems, Big Data Analytics, Structured Programming Language, Object Oriented Programming

PROFESSIONAL EXPERIENCE

Product Analyst Intern, BMO / Chicago, IL

Jun 2024 - Aug 2024

- Mapped epics in Jira using Agile methods to modernize banking systems, optimizing systems for **50+ branches** nationwide and increasing **operational efficiency by 15%**
- Conceptualized a POC for **GenAI testing** by leveraging **automated** test case generation tools aimed at reducing lead time by **35%**
- Supported the development of a **\$150M business case** to transform banking channels, forecasting **40% cost savings** over 5 years
- Performed preliminary **gap analysis** of existing systems, identifying **critical areas for improvement** in the legacy systems and laying the foundation for a strategic modernization plan impacting **100K+ users**

Digital Product IT Intern, AGCO Corporation / Champaign, IL

Jan 2024 – May 2024

- Refined **80+ user stories** from the backlog in Azure DevOps while collaborating with the UI/UX and development teams, organizing them into appropriate sprints to prepare for the **MVP release** of the Farmer Support Experience platform
- Partnered with **15 developers** in the Digital Transformation team, utilizing **Agile frameworks** to release the product through an initial **pilot phase with 5 dealers**
- Led product translations in **20 languages** using the PO Editor tool, and streamlined the process through **Excel mapping** with advanced formulas, resulting in a **40% reduction** in lead times
- Defined and **tracked OKRs** for the Product Team, accelerating key feature releases and improving **on-time delivery by 20%**

Senior Analyst, GEP / Mumbai, India

Jun 2022 – Jun 2023

- Designed a **KPI-driven dashboard** in Excel and PowerBI, delivering actionable insights that helped exceed savings target by **4%**
- Conducted **trend analysis** on **800+ client projects** and created **strategic decks** to present findings, uncovering **\$2M+** in savings
- Streamlined a complex dataset with **10K+ rows** from the client's **ERP System** and developed a dashboard for contract monitoring that improved **stakeholder engagement** and **reduced compliance issues by 25%**
- **Spearheaded an RFP** for packaging materials by leveraging **data-driven analysis** using Excel to achieve **\$100K in cost savings**
- **Collaborated with 20 stakeholders** for **spend analyses** and **opportunity assessments**, boosting business productivity by **15%**
- Developed a **predictive analysis model** in Python to forecast demand for Maintenance & Repair supplies, projecting a **10% reduction in procurement costs** through better supplier negotiations
- Partnered with **senior management** to create a PowerBI-based **Category Maturity Assessment tool**, featuring mapping tables and **real-time visual updates** to demonstrate client maturity against industry benchmarks, boosting **client engagement by 20%**

ACADEMIC PROJECTS AND PAPERS

Agile Website Development for a Small-Scale Chemical Business

- Consolidated requirements to create a **scoping document** that met client objectives, resulting in a 30% reduction in scope creep
- Utilized **Google Analytics** to analyze website traffic and identify target audiences, resulting in a **15% increase** in revenue

Consultant at Illinois Business Consulting, UIUC

- Engaged in extensive **market research** to predict the client's future hardware requirements for Generative-AI data centers
- Developed a **Tableau dashboard** to model **9 DE&I metrics** and analyze trends in the Cannabis industry for the State of Illinois

Exploratory Analysis of Spotify Musical Tracks

- Evaluated 232K tracks based on **10 musical parameters** using **Tableau**, to uncover key insights and trends in the music industry
- Leveraged Tableau's **web objects** to create interactive visuals, analyzing 26 genres, revealing key factors influencing track success

COVID-19 Activity Tracker

- Employed BeautifulSoup for real-time **web scraping**, extracting **4K+ rows** of data to build an application using Python
- Curated visualizations using **Pandas, Matplotlib and NumPy** libraries to track global COVID-19 trends and monitor virus spread

YouTube Data Integration and Analysis with Azure CosmosDB

- Extracted **5K+ video comments** using YouTube **API** and uploaded them to **CosmosDB** via **Python** to streamline data storage
- Linked CosmosDB with a **ReactJS website** to dynamically display videos and comments, allowing for enhanced user experience

LEADERSHIP & EXTRACURRICULAR

- Mentored **20 international students** at the Career Center, providing guidance on career navigation and job search strategies
- Organized a Technical Paper Writing & Tableau Workshop for **200+ students** as a Joint Secretary at IETE student chapter
- Completed **240 hours of community service** under the **Government of India** as Publicity Head at National Service Scheme Unit
- Negotiated sponsorships strategically as the **Marketing Lead** at DJS Skylark leading to a **20% increase in team funding**

TECHNICAL SKILLS

- **Programming:** C, C++, Java, Python, R, HTML, CSS, JavaScript, React JS, Flutter
- **Tools:** SQL, MongoDB, Neo4j, PowerBI, Tableau, MS Excel, MS PowerPoint, Agile, Scrum, Jira, Azure DevOps