

Mayan R Barik

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EDUCATION

University of Illinois at Urbana-Champaign

August 2021-December 2024

Grainger College of Engineering - Bachelor of Science in Industrial Engineering

GPA 3.80/4.0

Minor in Computer Science, Dean's List, James Scholar, Technology Commercialization Certification

Relevant Coursework: Financial Engineering, Algorithms and Models of Computation, Deterministic models in Optimization, Technology and Management, Business side of Engineering, Stochastic Processes, Analysis of Data, High Tech Venture Marketing

PROFESSIONAL EXPERIENCE

West Monroe Partners / Chicago, USA

June 2024 – August 2024

Data Engineering and Analytics Intern

- Actively engaged in the ongoing selection and proof of concept for a modern data platform at a specialty insurance service holding company, focusing on enabling operational metrics and insights across Commercial Lines programs.
- Independently developed a comprehensive data quality and robustness checklist, utilizing DAX, Python, and SQL (SSMS/MySQL), encompassing over 20,000 critical elements to ensure accuracy and consistency in reporting.
- Presented data visualization strategies, emphasizing methods to enhance client value through more insightful and actionable data presentation.

Abbott Laboratories / Urbana-Champaign, USA

May 2023 – May 2024

Business Development and Research Intern

- Spearheaded three data-driven projects at Abbott, most notably designing a dashboard using PowerBI, Visio, and Python that visualized critical metrics from legacy systems, enhancing operational efficiency by 15% and overall system usability.
- Employed an Isolation Forest heuristic, and other statistical models to analyze datasets exceeding 200,000 data points, uncovering key patterns and trends that directly enhanced healthcare consulting strategies by optimizing resource allocation.

Baker Tilly US, LLP | Chicago, USA

June 2023

Intern

- Collaborated with a 6-member team on an Oracle Cloud ERP implementation project, employing detailed market research and competitive analysis to optimize processes and elevate operational efficiencies, boosting competitive positioning.
- 1 of 4 interns selected to engage in a business operations immersion program, encompassing audit, risk, tax, and consulting. This program provided a holistic perspective on the inner workings of the organization, fostering a well-rounded skill set and a deep appreciation for the interconnectedness of different business

Deloitte Consulting | Mumbai, India

June 2022 – August 2022

Summer Intern

- Authored a strategic white paper on Cloud Financial Management for a Fortune 50 bank in India, delivering actionable insights that addressed cost inefficiencies and enhanced financial operations in cloud environments.
- Presented strategic recommendations to senior stakeholders, influencing cloud strategies and potentially reducing expenditures by up to 40%.
- Concurrently, conducted a gap analysis and a competitive analysis of rival cloud practices and proposed organizational adjustments based on second-quarter financial outcomes, which were instrumental in steering strategic decision-making processes.

LEADERSHIP

OTCR Consulting / Urbana-Champaign, USA

September 2022 – Present

Engagement Partner

- Coordinate and manage alumni engagement through database integration, speaker events, newsletters, and networking opportunities to strengthen alumni relations.

Project Manager

- **Global Leader in Marine Recreation and Technology** – Conducted a SWOT analysis for AI-powered sonar product and created a suite of 6 target user demographics. Developed a dashboard mockup and undertook a feasibility analysis of 10+ recommended features based on target use.
- **EdTech Startup** – Engineered a comprehensive, college-centric database across four verticals, covering 3,900 universities, and created a unique ranking methodology for each vertical to enhance data utility and analysis for their product.

Lead Consultant

- **Chicago-based Middle-Market Private Equity firm** - Managed a \$100 million budget and assisted in investing it over a 2–3-year period to pinpoint industries aligning with the firm's growth objectives. Created investment theses and utilized theses to identify 50-60 potential targets.

Consultant

- One of 24 admitted to the University of Illinois's premier student consulting club with an acceptance rate of 8%
- **Fortune 25 Private Company** - Conducted expert interviews and analyzed partnership methodologies from 12+ industry data leaders to develop and implement best practices and strategies for enhancing third party integration and maximizing ecosystem usage.
- **Ecommerce Brand Accelerator** - Instituted an overall industry analysis synthesizing competitive landscape to create a cost vs impact marketing strategy. Subsequently created a partner feasibility matrix ranking 4 potential partners using 10+ KPI's

SKILLS

Software Skills: Python, Java, Javascript, React, AMPL, C, C++, MySQL, HTML, CSS, PHP, Swift, WordPress, Graphic Designing and MS Office

Interests: Photography, Reading, Soccer, Formula 1, Poker