

# MRIGANGKA MEDHI

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## DATA SCIENTIST

Detail-oriented and inquisitive Data Scientist and MS Business Analytics candidate at UCLA Anderson with 3 years of experience in the analytics consulting industry. Adept at building robust and scalable statistical & Machine Learning models and deriving impactful insights aimed at informing strategic decision making for Fortune 500 clients. English / Hindi bilingual.

## TECHNICAL SKILLS

**Languages:** Python (Pandas, NumPy, Matplotlib, Seaborn, Sklearn, SciPy), SQL, PySpark, R, MATLAB, C, C++, LaTeX

**Tools:** Excel, PowerPoint, Jupyter, Tableau, SAS, Power BI, Alteryx, AWS, Azure

**Modeling:** Regression, PU Classification, Clustering, CNN, Random Forests, XGBoost, PCA, SVM, NLP, LLM, Hypothesis Testing

## PROFESSIONAL EXPERIENCE

### ZS ASSOCIATES

Pune, India

#### *Decision Analytics Associate Consultant*

July 2022 – July 2023

- Led client interactions, discerning specific business requirements, forming hypotheses, ideating on analytical approaches, and summarizing key findings
- Spearheaded development of end-to-end patient analytics tool using **PySpark** with streamlined framework for ingesting, cleaning, ETL, and analyzing various datasets, reducing operating costs by 25% and cycle time by 35%
- Designed **PU classification** model to capture 72% more potential Head & Neck cancer patients compared to using administrative claims data diagnosis codes; received Certificate of Achievement for creating significant impact for client
- Orchestrated evaluation of current barriers in management of T2 Diabetes comorbidities by constructing 5 dominant patient treatment pathway archetypes using **CNN** and patient profiling in **Python and SQL**
- Mentored 10+ newly joined associates, providing guidance on technical concepts and day-to-day execution nuances

#### *Decision Analytics Associate*

August 2020 – June 2022

- Evaluated physician targeting approaches across promotional channels to focus launch efforts of drug and develop robust HCP engagement strategy using **SQL**, cutting promotional costs by 40%
- Extracted benefits of EMR data to support commercial applications such as Forecasting using **Regression**, and Patient **Segmentation**, boosting annual sales of product to \$500M+
- Generated and optimized weekly KPI reports for US pharma client across hematological and solid tumors using **Python, Excel & Tableau**, facilitating annual cost savings of \$260K and 90% reduction in processing time
- Conducted market mapping exercise to illustrate and quantify different patient and physician types in US Acute Myeloid Leukemia market, devising targeting strategy to cover over 70% patient population
- Organized **SQL and Python** best practices and code optimization sessions for 300+ venture audience

## EDUCATION

### UCLA ANDERSON SCHOOL OF MANAGEMENT

Los Angeles, CA

#### *Master of Science in Business Analytics (MSBA) | F1 STEM OPT*

Expected December 2024

- Machine Learning for Decision Making, Data Management, Prescriptive Models, Customer Analytics, Competitive Analytics

### INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES)

Dhanbad, India

#### *Bachelor of Technology in Mining Machinery Engineering*

June 2020

- Numerical & Statistical Methods, Methods of Applied Mathematics, Soft Computing, Computer Programming
- Graduated top of class (CGPA: 9.11/10); Received Dean's Merit Scholarship

## ANALYTICS PROJECTS & CHALLENGES

**ZS BC Hive Challenge:** Analyzed physician referral patterns and prescribing behavior to identify 40+ Key Opinion Leaders in Myelodysplastic Syndromes therapy area; finished in top 10 leaderboard for May 2021

**IBM Data Science Capstone (Link):** Identified 5 similar neighborhoods in Adelaide & Melbourne each based on types of common venues present in vicinity, using **K-Means clustering**

## LEADERSHIP

- Conducted revenue breakdown exercise to stratify corporate members as part of Digital Analytics Association
- Edited Mailer Daemon, official newsletter of IIT (ISM), from 2017 to 2020, increasing institute-wide circulation by 34%
- Managed Event Coordination team at Basant 2019, alumni reunion festival of IIT (ISM), ensuring coordination amongst 40+ members to enable smooth commencement of planned activities from logistical, financial, & security standpoint