KSHAMA SHARMA

West Lafayette │ 765-637-3013 │ sharm452@purdue.edu
https://kshama08.github.io/devportfolio/ | https://linkedin.com/in/kshama-sharma

PROFILE
- Dedicated graduate with leadership ability, work ethic, and analytical skills.
- Software Engineer with experience of working with clients in Retail industry.
- Skilled in Predictive and Prescriptive Analytics, Machine Learning and Visualization using tools Python, R, SQL, NoSQL, SAS Enterprise Miner, R,CSS, Java, C, C++, HTML, SpringBoot, @Risk, Tableau and PowerBI.

EDUCATION

Purdue University, Krannert School of Management   **West Lafayette, IN**
Master of Science in Business Analytics and Information Management (STEM OPT eligible)   **December 2021**
- **Winner of ECS Hackathon 2021**- Espoir mental health app using HTML, CSS, JavaScript and Tableau.

SRM Institute of Science and Technology   **Chennai, India**
Bachelor of Technology, Information Technology   **June 2019**
- Devised Electronic health record using privacy preserving Advance Encryption Standard that enabled safe and secure interaction between patients and doctors - Java, JavaScript, HTML, CSS.

PROFESSIONAL EXPERIENCE
Undisclosed Mid-Western Retail Chain   **West Lafayette, IN**
Data Analyst Intern   **August 2021 – Present**

- Predicted on-shelf availability of non-digital SKUs to optimize inventory management.
- Optimized increasing customer retention and advanced inventory planning for 3 months by improving their existing prediction model by **9%**.
- Generated a flexible data pipeline framework for reforecasting and remodeling.

Tata Consultancy Services   **Kolkata, India**
Software Engineer   **August 2019 – March 2020**

- Managed client's data-storage and retrieval functions, as part of project Staples.
- Developed Python based Web Methods Integration platform to integrate new clients into company's Pub-Sub architecture.
- Initiated micro services architecture for structuring applications as per client requirements.
- Assisted client's analytics department in improving business KPIs by **11%** cumulatively.
- Teamed up with TCS's cross-department peers to organize 3 networking events as a part of engagement exercises.

Zacks Research Pvt Ltd   **Kolkata, India**
Database Management Intern   **June 2017 – July 2017**

- Designed SQL based database management system for retrieving investment portfolio records.
- Programmed trigger functions in MySQL to auto notify best and worst performing stocks, reducing report time by **13%**.

PROJECTS
- Modelled forecasting algorithm for customer sales prediction with Python.
- Developed a classification model to forecast company's bankruptcy utilizing SAS Enterprise Miner.
- Designed SQL queries with procedures, functions, and triggers for Library Management System.
- Constructed an interactive dashboard to showcase both descriptive & predictive analytics for Telecom Churn Rate using RStudio's shinyApp package, **ranked 3rd in class**.
- Formulated market research-based pricing strategy for OTT platform with Price Segmentation and Conjoint Analysis.

LEADERSHIP ACTIVITIES, AFFILIATIONS, HONORS
- Specialization in Python programming from University of Michigan-Coursera, Data Scientist in R-Data camp.
- Volunteered at "Concern for Citizens" NGO in India.
- Formed a technical club called "Gen Y" at SRM; member of Graduate Women in Business at Purdue University.
- Winner of inter school debate competition and led high school basketball team for two years.