Mayur Deshmukh

Madison, WI | (608) 515-0162 | mpdeshmukh@wisc.edu | LinkedIn | Github | Portfolio

EDUCATION

- **University of Wisconsin-Madison** — Madison, WI
  Masters of Science - Information Science — *Sep 2022 - Present*

- **University of Pune** — Pune, India
  Bachelor of Engineering - Information Technology — *Jun 2015 - Jun 2019*

EXPERIENCE

- **Springs Window Fashions** — Middleton, WI
  Product Data Analyst Intern — *Jun 2023 - Present*
  - Designed and engineered innovative internal applications that streamlined enterprise master data management and pricing functionality analysis within **ERP systems**, resulting in a **15% reduction in data processing time and a 25% improvement in pricing accuracy**.
  - Analyzed product data required for manufacturing in current ERP product models, resulting in a **20% reduction in data errors and improved production efficiency**.
  - Collaborated closely with the modeling team to successfully transfer complex product logic to new ERP models, **reducing development time by 30%** and enhancing system capabilities, resulting in a **15% increase in user productivity**.

- **Dassault Systèmes** — Pune, India
  Software Engineer (Full-time) — *Dec 2021 - Jul 2022*
  - Developed scripts and procedures to automate the process of removing unnecessary metadata from the databases, resulting in **50% query performance optimization**.
  - Utilized **SQL, Java,** and **Python** to extract, clean, and manipulate large datasets, resulting in **improved data accuracy and efficiency** for the team.
  - Communicated data findings and insights to non-technical stakeholders, **effectively communicating technical information and enabling informed decision-making**.

- **Xoriant** — Pune, India
  Data Engineer (Full-time) — *Jul 2019 - Dec 2021*
  - Developed **ETL data pipelines** using **Python, Apache Spark, Hive, Kafka, Airflow, SQL** and **Shell Script** to centralize and transform large data-sets, empowering the team to enhance business operations through data-driven decision making.
  - Spearheaded and contributed to the coding activities, daily stand-up meetings, maintaining, managing, and upgrading integrity of data pipelines to **increase task success rate by 20%**.
  - Managed and mentored a team of **10+ interns and software engineers**; and launched a mentor-ship program and product documentation process which **slashed on-boarding time by 30%**.
  - Utilized **Git** for version control, **JIRA** for project management, and **Agile Methodologies** such as **Scrum** and **Kanban** for project development.

- **Tata Consultancy Services** — Remote
  Data Analyst (Intern) — *Jun 2018 - Aug 2018*
  - Conducted in-depth data analysis on customer behavior patterns using **Tableau, Excel** and **SQL**, resulting in the identification of a previously unrecognized trend that **improved customer retention rates by 15%**.

PROJECTS

- **Policy Brief for Gun Violence in United States (Data Analysis, Research)**: Developed and drafted a policy brief document outlining key findings, recommendations, and next steps for addressing gun violence in the US. ***Tech: Python, Tableau, SQL, Excel and Kaggle datasets***. More Info. (Dec '22)

- **Impact of COVID-19 Employment Changes on Equity Risk Premiums (Data Science, Research)**: Authored a research paper that delves the analysis of correlation between labor market dynamics and monetary market developments. ***Tech: Python, Pandas, NumPy, Seaborn, Matplotlib, SQL, Excel, Kaggle and Yahoo Finance datasets.*** More Info. (Dec '22)

- **Text Summarization using LSTM Neural Network (Machine Learning, NLP)**: This paper proposes the implementation of a deep learning-based automatic text summarization system using LSTM to generate short summaries and suitable titles for article abstracts. ***Tech: Python, Scikit-learn, SpaCy, Pandas, NumPy, NLTK, Keras, TensorFlow and Kaggle datasets.*** More Info. (Jun '19)

OTHER

- **Technical Skills:** Python, Java, PowerBI, Tableau, SQL, MongoDB, PostgreSQL, ETL, Data Structures & Algorithms, OOP, Scrum, Kanban, Apache Spark, Hive, Kafka, Airflow
- **Tools & Frameworks:** JIRA, GIT, Jenkins (CI/CD), Atlassian Confluence, Docker, Shell, MS Excel
- **Languages:** English, Hindi, Marathi