

Mayur Deshmukh

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EDUCATION

Masters in Information Science | Cumulative GPA: 3.67/4.0 September 2022 – May 2024
University of Wisconsin-Madison, Madison, WI

Bachelor of Engineering in Information Technology | Cumulative GPA: 8.17/10 June 2015 – June 2019
University of Pune, Pune, India

WORK EXPERIENCE

Software Engineer - Dassault Systèmes, Pune, India December 2021 – July 2022

- Optimized and enhanced pre-existing Java REST API services, resulting in more efficient code execution and higher performance.
- Developed scripts and procedures to automate the process of removing unnecessary metadata from the databases.
- Collaborated with cross-functional teams to understand business requirements challenges in system and products and translate them into technical solutions.
- Participated in code reviews to ensure adherence to coding standards and best practices for deliverables quality.
- Mentored and effectively trained new team members resulting in reduction of on-boarding time by 30%.

Data Engineer and Analyst - Xoriant Solutions, Pune, India July 2019 – December 2021

- Designed and implemented data pipelines using Python, Apache Spark, Apache Hive, Apache Impala to extract, transform, and load large datasets from diverse sources into a centralized data lake.
- Designed, executed and optimized data pipelines using Apache Spark, resulting to 50% performance improvement in data processing.
- Created and maintained documentation and metadata in Atlassian Confluence for data systems and processes.
- Collaborated with business analysts and product testing team to ensure adherence to the highest level of quality standards and meeting customer requirements.
- Participated in coding activities, daily standup meetings, maintaining, managing and upgrading integrity of data pipelines to increase task success rate by 20%.
- Utilized Git for version control, JIRA for project management, and Agile methodologies such as Scrum and Kanban for project development.
- Supervised, guided, organized and delivered technical mentorship to junior team members.

PROJECTS

Policy Brief for Gun Violence in US – University of Wisconsin-Madison September 2022 – December 2022

- Utilized Python, Tableau, SQL, Excel and Kaggle datasets to analyze and visualize data on US gun violence.
- Conducted research and analysis on several aspects of gun violence, including causes, trends, and potential solutions.
- Developed and drafted a policy brief document outlining key findings, recommendations, and next steps for addressing gun violence in the US.

TECHNICAL SKILLS

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- **Programming Language:** Python, Java, SQL, PHP, HTML, CSS.
 - **Frameworks and Tools:** MySQL, Unix, Git, Tableau, JIRA, Jenkins, Atlassian Confluence, Apache Spark, Apache Hive, Apache Impala, Apache Kafka, Shell Script, Excel and Spreadsheets, Microsoft Office.
 - **Topics and Concepts:** Software Development, Data Analysis, Data Science, Data Mining, Data Modeling, Data Cleaning, Agile Methodologies, Project Management, Product Management, Computer Science.