

Khushi Sharma

WI, USA | +1-262-402-0532 | sharmakhushi0313@outlook.com
| <https://www.linkedin.com/in/khushi0313/>

Education

- University of Wisconsin-Milwaukee, Milwaukee, WI** 09/2023 – 01/2025 GPA- **3.18/4.0**
- Rajasthan Technical University, Jaipur, India** 11/2021 – 06/2023 GPA- **3.71/4.0**
Computer Science, Artificial Intelligence, Database, Application Development, Software Design and Development, Operating Systems, Data Science, C, C++, Javascript, Java, Python, SQL, C#
- Relevant Coursework**

Professional Experience

University of Wisconsin Milwaukee

Jan'24 –

April'24

Role: Undergraduate Research Assistant

- Designed and developed an independent software solution for controlling a potentiostat, enhancing data collection and analysis capabilities.
- Conducted literature reviews and gathered requirements to ensure the software met the needs of the research project.
- Implemented algorithms for real-time data processing and visualization, optimizing performance and accuracy.
- Tested software functionality through rigorous experimentation and debugging.

Skills

- Proficient in Python/C++/MATLAB for software development, emphasizing real-time data handling.
- Familiarity with Agile methodologies and Git for effective project management.
- Strong problem-solving skills and troubleshooting.

Achievements

- Designed a user-friendly interface, simplifying data analysis.
- Implemented automated algorithms, improving experiment efficiency.
- Presented findings at key conferences, enhancing project visibility.

Yashika Skills Development

Jan'23-July'23

Role: Data Analyst Intern

- Conducted data cleaning and preprocessing tasks using Python's Pandas library, SQL, and Power BI.
- Applied statistical analysis techniques like hypothesis testing and regression analysis using R and Python.
- Created visualizations using Matplotlib, Seaborn, and Power BI to communicate findings effectively.
- Utilized Python, R, and SQL for data manipulation, analysis, and visualization.
- Executed SQL queries across databases to extract and analyze relevant data.

Accomplishment:

- Developed and implemented data cleaning, reducing data errors by 15% and improving the accuracy of analyses.
- Streamlined data retrieval processes by optimizing SQL queries, resulting in a 25% reduction in query execution time.

Project: PG LIFE

- Interactive website connecting tenants and landlords.
- Utilized SQL queries to analyze user engagement metrics, applied data preprocessing techniques, such as outlier detection and data imputation, using tools like Excel and OpenRefine to ensure data integrity.
- Created dynamic visualizations with interactive features using Tableau and Power BI to present actionable insights to stakeholders.

Google Development Student Club

June'22- Dec'22

Role: Software Engineer Intern

- Co-led the Graphic Designing team and development of software components using Java and Python.
- Collaborated with cross-functional teams, including UX/UI designers, QA engineers.
- Event coordination of tech summits and Developer Workshop, managing event logistics and speaker sessions.
- Employing agile methodologies to track progress, mitigate risks, and deliver solutions within established timelines.

Accomplishment

- Successfully organized following events: GDSC WOW Jaipur 2023. Flutter Forward. Web development camp, Sessions on augmented reality, INFO Session for GSOC'23 and major hackathons.

Projects:[WORDOIT](#)

- Blogging website using HTML, CSS, JavaScript.
- Led a team of 4 members during a 36-hour hackathon, showcasing leadership and project management skills.
- Developed key features, including the interactive text editor and community posting functionality, utilizing strong problem-solving skills and efficient debugging techniques.

Personal Projects (projects available at my GitHub profile)

- **Scientific Calculator** - Performs binary and unary operations on rational numbers.
- **Bubble Sort**- Application to sort integers in ascending order using bubble sort, with step-by-step visualization.
- **Rock Paper Scissor** - Application to play rock paper scissors with system.
- **Blackjack** - Application to play blackjack with system.
- **Tiny file System** - Virtual disk drive performing operations import, export, mkdir, create, open, display, ls, remove.
- **Open-Source Contributions** - "Pull Shark" achievement on GitHub, thanks to my contributions to FreeCodeCamp.
- **To do list** - Created using HTML, CSS, JavaScript, Key features of the app include an intuitive user interface, dynamic task management, and responsive design for seamless use across device.
- **Technical blogs** - I have contributed to the industry by sharing my knowledge at blog website medium.com.
- **Covid 19 tracker** - Created interactive dashboard using tableau with multiple attributes such as - Partially vaccinated vs. fully vaccinated populations, Vaccinations administered per hundred people, Vaccination rates compared to GDP.
- **Netflix Dashboard** - Created interactive dashboard using tableau with multiple attributes allowing slicing and dicing of data including, Distribution of movies and TV shows, Movies and TV shows by countries and years, Ratings, Top ten genres

Certifications

Full-Stack Web Development by Internshala:

- **Skills** - HTML | CSS | React | MySQL | JavaScript | PHP | NodeJS.
- **Description**- I learnt multitasking, helped me to structure my work and approach every project with a step-by-step process, documenting data workflows, writing code documentation, and creating reports summarizing analysis results.

Microsoft Ignite C# Learning Paths:

- **Accomplishment**- 7th level | 25 badges | 4 trophies.
- **Description**- I am learning a new technology with hands on projects, helped me to stay consistent, disciplined, staying updated with the latest technologies and trends in computer science.

Trailhead by Salesforce: Adventurer rank

- **Accomplishment** - 50+ badges | 8 trail | 14,00+ points.
- **Description** - explore new skills which includes a combination of data management, security, CRM, hand on Salesforce platform basics, identifying and resolving issues in data sets, troubleshooting problems, and proposing solutions.

Accomplishments and Community Involvements

- Awarded rising intern of the year at Yashika Enterprises.
- Awarded Third Position at the Modern United Nation, Rajasthan Technical University, 2023.
- Participated in a 36-hour non-stop University level hackathon 2022.
- Provided education to children in rural areas through volunteer initiatives in collaboration with Suhasini group of JECRC.