

DARSHAN GOLCHHA

📍 Madison, Wisconsin, USA 📞 +1 608-405-9563 ✉️ dgolchha@wisc.edu 🌐 [linkedin.com/in/darshan-golchha/](https://www.linkedin.com/in/darshan-golchha/)

EDUCATION

Bachelor of Science in Computer Science and Data Science

Expected May 2026

University of Wisconsin-Madison • GPA : 3.9/4 (Dean's List, All Semesters)

- Relevant Coursework : Object-Oriented Programming, Data Structures and Algorithms, Database Management and SQL, Data Science Programming (Python), Data Science Modeling (R).

SKILLS

Java, Python, JavaScript, C, HTML5, CSS3, React, MySQL, MongoDB, Spring Framework, Maven, Spring Security, RESTful APIs, Web Sockets, JPA, JWT, Git, GCP, Vim, Emacs.

EXPERIENCE

Software Engineer Intern

Noida, Uttar Pradesh, India

Nucleus Software Exports Limited

June 2023 - August 2023

- Developed Nucleopedia, a knowledge-based management system that centralizes work-related knowledge and training, resulting in a significant 70% reduction in onboarding time for over 1500 employees.
- Designed and implemented a network of interconnected **database** tables utilizing **MySQL** to normalize data, **enhancing data management efficiency** and retrieval speed. Achieved a remarkable 75% **reduction in latency**, **optimizing system performance** and ensuring seamless data access.
- Successfully implemented **Spring Security** and **JWT**, showcasing **problem-solving skills** by identifying and mitigating security threats, resulting in a 98% reduction in unauthorized access.
- Utilized **JPA** repository and Jakarta.persistence methods to build an efficient **search engine**, improving **UX**.
- Demonstrated **adaptability** by rapidly learning and implementing **React** and **REST API**, contributing to a 60% reduction in reload time for the **web application**.

PROJECTS

Conversia

Personal, December 2023 - Present

- An innovative chat platform connecting strangers across the globe based on their interests with chatroom dissolving and creation concepts based on user activity and engagement, highlighting **creativity** and **problem-solving skills**.
- Slashed message delivery latency by 40% with advanced **web socket** technology.
- Optimized data efficiency by 60% using **MongoDB Atlas** for seamless CRUD operations.
- Used **RESTful API** structure in **Java Spring Framework** and **React** to make the responsive backend and frontend.

Changemaker

Academic, March 2023

- Developed an efficient **recursive** change-making algorithm in **Java**.
- Achieved a 20% reduction in the number of coins required for a given value, **optimizing** coin usage.
- Enhanced algorithm **runtime** by 15% through the implementation of **BST** operations.
- Ensured algorithm correctness through comprehensive **unit testing**, showcasing **attention to detail** and **quality assurance skills** with a reduction in bugs by 100%.

Twitter Feed

Academic, April 2023

- Engineered a highly efficient Twiterator in a **singly-linked list** data structure in Java, reducing **memory usage** by 25%.
- Implemented user-friendly commands, enhancing user **customization** by 20% through effective **teamwork**.
- Introduced a "High Likes Ratio" filter, showcasing **user empathy** and **creativity** in enhancing user experience with a 30% higher ratio of likes to total interactions.

University Rankings Analyzer

Academic, November 2022

- Executed complex **MySQL** queries to efficiently retrieve and analyze data, demonstrating **analytical skills** and **attention to detail** in maintaining a 95% accuracy rate in Data Extraction.
- Employed **pandas DataFrames** in **Python** to streamline **data processing** time with a 20% improvement.

ACTIVITIES

- Member, Wisconsin Robotics, Software Team, demonstrating strong **teamwork and collaboration**.
- Goal Keeper, Men's 7vs7 Soccer Team, showcasing **leadership** and **adaptability in high-pressure situations**.

ACADEMIC ACHIEVEMENTS

- Earned the prestigious Scholastic Excellence Awards in 2016 and 2019, **consistently delivering outstanding results** over three consecutive years (2013-2015, 2016-2018).
- Received the Scholar Badge for academic **excellence**, May 2021.
- Dean's List Academic Honor for Fall 2022, Spring 2023 and Fall 2023, showcasing **consistency** and **commitment to excellence**.