

# Riteshwar Brar

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## EDUCATION

**University of Wisconsin - Madison**  
*Bachelor of Science in Computer Science*

**Madison, WI**  
*Graduation Date: May 2024*

## SKILLS

**Languages and Technologies:** C/C++ , Java , Python , HTML , JavaScript , React Js , Node Js , C# , .NET , SQL , Linux OS , REST APIs , Express , MongoDB , Jenkins , React Native , Kotlin , DevOps , AWS , Git

**Coursework:** Data Structures and Algorithms , Object Oriented Programming , Discrete Mathematics, Operating Systems , Web Development , Machine Learning , Mobile Application Development, Data Science Programming , Computer Vision with Deep Learning , Web Scraping , A/B Testing , UI/UX , Data Visualization , Database management.

## WORK EXPERIENCE

**Volvo Cars USA**  
*Software Engineering Intern – Data Engineering*

**Mahwah, NJ**  
*Jun 2023 – Aug 2023*

- Reduced API downtime by 70% by implementing over 60 synthetic checks with automated alerting through Apica, resulting in enhanced monitoring and support of all application endpoints.
- Partnered with engineers from other teams for developing dashboards aimed at optimizing team efficiency leading to a 30% improvement in data visibility and operational clarity.
- Spearheaded bi-weekly meetings formulating a blueprint for future dashboards ensuring uniformity along all the teams with compliance to company user-interface specifications.

## PROJECTS

### Online Art Store | Web Application

*JavaScript , MongoDB , Express.js , React.js , Node.js , Stripe , HTML/CSS*

- Collaborated with an established Artist to develop an online store to sell paintings leading to an increase in sales by 40% and an increase in social media followers by 15%.
- Implemented safer payment methods through industry-level encryption using Stripe's multinational financial services reducing chances of payment fraud by 100%.
- Developed an accessible inventory system with a simplistic User Interface, allowing vendors without any prior database training to use the web application, improving data accuracy by 35%.

### BadgerChat | Mobile Application

*JavaScript , React Native*

- Designed a chat application with over a hundred users and 12 different chat rooms which enabled real-time conversations among users.
- Facilitated user status verification through sign up and log in features by using JSON Web Tokens.
- Enabled read-only access in public chat rooms for anonymous users without credentials.

### IDetect | Face Detection and Recognition

*Python , OpenCV*

- Developed a facial detection system using Haar-like cascade classifier, resulting in a 40% faster detection rate and improving overall user satisfaction by 50% through enhanced accuracy and performance.
- Implemented effective facial recognition through feature vector classification using the FaceNet deep learning model leading to improved identification by 70%.

## AWARDS AND INTERESTS

**Awards:** College of Letters & Science Dean's List

*Sep 2020 – Dec 2021*

**Career Interests:** Full-Stack Developer, Backend Developer, UI/UX, DevOps Engineer