

Daksh Raghuvanshi

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Education

University of Wisconsin-Madison

Graduating December 2027

BSc in **Computer Science and Data Science**

GPA: 3.91/4.0

Relevant Courses: Object-Oriented Programming & Data Structures, Introduction to ML, Digital Websites & Databases

Certifications: Dean's List, Grade 8 Guitar Rock and Pop Certification(Trinity)

Projects

AI-Powered Disaster Damage Detector — Python, NumPy, Tensorflow, Plotly *Jan 2025 - Mar 2025* [🔗](#)

- Improved disaster response by building a model that correctly identified hurricane damage in images with over **89% accuracy**, showcasing ability to solve real-world problems with AI.
- Engineered a deep learning pipeline using **Convolutional Neural Networks (Conv2D, MaxPooling2D, Flatten, Dense with Softmax)** and customized image pre-processing to reduce noise and boost classification clarity.

Meteor Tracking App — ReactJS, REST APIs, HTML/CSS

Feb 2025 - Apr 2025 [🔗](#)

- Designed an interactive dashboard that streamed live **ISS** and **Near-Earth Object (NEO)** data from NASA APIs, viewed by **40+ classmates and peers**.
- Integrated REST APIs with **ReactJS** and **Leaflet maps**, enabling real-time position visualization and orbital proximity warnings, with system latency under **1.5 seconds**.

Data-Driven Movie-Ranking Engine — Python, Pandas, BeautifulSoup, Plotly

Jun 2024 [🔗](#)

- Enhanced movie rating fairness by scraping and analyzing over **5,000+ IMDB entries**, creating a re-ranking system that improved fairness in ratings and highlighted hidden high-quality films overlooked by standard scoring
- Cleaned and transformed data by **parsing nested JSON fields** (cast, crew, keywords, genres), extracting directors, and visualized results with Plotly.

Leadership/Service

Tutor Volunteer

Jaunpur, India

Shree Girja Sharan Inter College

June 2021 – Aug 2025

- Instructed, asynchronously, **50+** underprivileged high school students in the use of **Browsers, Extensions, Windows OS Software**, and basics of coding.
- Improved digital literacy through structured learning modules on Windows OS, browsers, etc.
- Effectively managed and designed curriculum modules alongside other faculty.

Technologies/Passions

Tech/Frameworks: Python, ReactJS, JavaScript, HTML, CSS, Java, SQL, Pandas, Numpy, Tensorflow, Tesseract, OpenCV, Scikit-learn, Plotly

Tools and Platforms: Microsoft Cloud, Fusion360, Git, Google Firebase

Personal Passions: Guitar, Cycling, Badminton