

Pranshu Dewagan

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I am a highly motivated and detail-oriented student pursuing a Bachelor of Science in Computer Science and in Data Science with a minor in Business, seeking a challenging and rewarding internship opportunity to apply and enhance my skills in a real-world setting

Education

University of Wisconsin-Madison

Anticipated Graduation: May 2026

Intended Degree: Bachelors of Science | Major in Computer Science & Major in Data Science

- Minor in Business

Computer Science – Key Coursework

- Intro to Algorithms, Programming III/Data Structures, Intro to Artificial Intelligence, Database Management System, Mobile Systems and Applications, Intro to Bioinformatics, and Machine Organization & Programming

Data Science – Key Coursework

- Data Science Programming II, Data Science Modeling II, and Intro to Applied Statistics for Engineers

Business – Key Coursework

- Managing Organizations, Intro to Finance, Marketing Management, and Accounting Principles

Relevant Work Experience

Evolv Technology (*Research & Development Scientist Intern*)

Waltham, MA | June 2024 - August 2024

- Led the first AI-based vape detection feasibility study (45% accuracy, 5% false alarm) for Evolv's high throughput eXpedite™ product, improving threat detection in high-traffic venues
- Conducted market research on vape devices and collected over 2,000 x-ray images for data collection, training, and validation using machine learning; heavily increased dataset of vape x-ray images
- Analyzed market data and evaluated model performance through visualizations using **Python (Numpy, Pandas)**

Mass General - MIND Data Science Lab (*Data Science Summer Intern*)

Cambridge, MA | June 2023 - August 2023

- Collaborated with a team to improve the nLINQUE database, a key tool for integrating data across various research cores at the Massachusetts Alzheimer Disease Research Center (MADRC)
- Improved data quality through the development of streamlined cleaning processes
- Assisted with statistical and machine learning analyses to support biomarker research (**R**)

NanoDiagnostics Inc. (*Summer Intern*)

Southborough, MA | June 2021 - August 2021

- Developed a cloud-based system (**Java** and **SQL**) to manage data generated by NanoDx manufacturing team
- Data was used for the team's nanowire sensors and biochemistry
- Assisted in the improvement of workflow and data management in the manufacturing department

Technical Skills

Languages

- Python, Java, R, Bash, C, Kotlin, SQL

Tools

- Git, Github, Gitlab, RStudio, MySQL Workbench, Android Studio, Visual Studio Code, Excel, PowerPoint