Pranshu Dewagan

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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, Intro to Applied Statistics for Engineers, and Data Ethics and Policy

Business – Key Coursework

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

Relevant Work Experience

Evolv Technology

Research Scientist Intern *Waltham, MA | June 2025 – Present*

- Developing a Python/Dash-based GUI to automate replay score analysis from critical test sets, streamlining ML evaluation workflows and reducing manual effort
- Supporting AI research in threat detection, contributing to dataset analysis, model validation, and performance visualizations
- Tools: Python (Dash, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn)

Research & Development Scientist Intern *Waltham, MA | June 2024 - August 2024*

- Led the first AI-based contraband detection feasibility study for Evolv's high throughput eXpedite™ product, improving threat detection in high-traffic venues with high PD and low PFA
- Conducted market research on contraband devices and collected over 2,000 x-ray images for data collection, training, and validation using machine learning; significantly expanded the dataset of contraband 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 and Tools

- Python, Java, R, Bash, C, Kotlin, SQL
- Git, Github, Gitlab, RStudio, MySQL Workbench, Android Studio, Visual Studio Code, Microsoft Office