

Bhavya Wadhwa

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EDUCATION

University of Massachusetts Amherst

Amherst, MA

Bachelors in Computer Science with Multidisciplinary Honors, Minor in Business (GPA: 4.0) Aug. 2024 – May 2028

- Relevant Coursework: Data Structures, Object-Oriented Programming, Calculus III, Probability & Statistics

EXPERIENCE

Data Analyst Intern

June 2025 – September 2025

Global Origin, LLC

Remote

- Tracked key KPIs including DAU, MAU, ARPU, and churn rate to support data-driven decision-making.
- Conducted A/B testing and behavioral analysis to optimize game mechanics and user experience.
- Created visual reports and presented to stakeholders including developers, designers, and marketing teams.

Undergraduate Research Assistant

May 2025 – September 2025

Wireless and Sensor Systems Lab (Mentor: Abdul Aziz)

Amherst, MA

- Analyzed physiological sensor data (Phybrata) by processing large CSV datasets in Python using Pandas, Numpy, and Matplotlib, focusing on treatment effects across Eyes Open (EO) and Eyes Closed (EC) conditions.
- Built and evaluated multiple ML models including (SVM, Random Forest, KNN, CNN) to classify and detect trends in sensor data related to treatment response and reached a final validation accuracy of 92.9%
- Performed detailed Data Visualization using Seaborn & Matplotlib to generate graphs and confusion matrices to compare training and validation accuracy.

Peer Research Consultant

September 2025 – Present

UMass Amherst

Amherst, MA

- My role involves advising peers on their individual research projects. Currently I process 10+ tickets each shift
- I work on both long term and short term projects ranging from 2 weeks to semester long.

Data Management Intern

May 2024 – August 2024

Delta Healthcare

Remote

- Utilized Python (Pandas, Numpy) to clean, organize, and process large CSV datasets related to pharmaceutical inventory, sales, and order records, saving 20% time for business stakeholders
- Automated routine data tasks such as merging, filtering, and deduplicating CSV files, improving team efficiency and reducing manual errors.

PROJECTS

Campus Connect | *CalHacks 12.0* | *React, Node.js, PostgreSQL*

- Built an AI-driven campus networking platform
- Integrated Claude and Google Places API to deliver real-time meet-up and venue suggestions
- Added Google Calendar syncing to surface mutual availability and enable instant scheduling.

Realtime Chat App | *Reactjs, Firebase, Bootstrap, HTML*

- Used Firebase Authentication(SDK) to facilitate authentication & Cloud Firestore to store data.
- A react based web application which allow users to chat in real time.

News Aggregator Website | *HTML, CSS, JavaScript, Node.js, Axios, NewsAPI*

- Developed a functional news website using Node.js to serve static frontend files and handle backend API requests
- Integrated the NewsAPI to fetch real-time news articles based on user queries, using Axios for HTTP requests.

Portfolio Website | *Next.js, Tailwind CSS, Framer Motion*

- Designed and developed a fully responsive personal portfolio to showcase projects, experiences, and skills using Next.js for fast routing and optimized performance.
- Focused on accessibility and performance, resulting in a mobile-friendly, fast-loading site deployed for the audience

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS

Frameworks: React.js, Next.js, Node.js, Tailwind, JUnit, WordPress, Material-UI

Libraries: Pandas, NumPy, sci-kit learn, Matplotlib, TensorFlow, Keras

Version Control: git, GitHub