

Bhavya Wadhwa

Bachelor of Science
UMass Amherst

+1-413-210-0334
bwadhwa@umass.edu
GitHub Profile
LinkedIn Profile

EDUCATION

•**Bachelor of Science in Computer Science** 2024-28
University of Massachusetts Amherst, MA GPA: 4.0

EXPERIENCE

- Data Management Intern** May - July 2024
Delta Healthcare Faridabad, India
- Utilized Python (Pandas, Numpy) to clean, organize, and process large CSV datasets related to pharmaceutical inventory, sales, and order records.
 - Automated routine data tasks such as merging, filtering, and deduplicating CSV files, improving team efficiency and reducing manual errors.
- Undergraduate Research Assistant** May 2025 - Present
Wireless and Sensor Systems Lab 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 machine learning models (e.g., SVM, Random Forest, KNN, CNN) to classify and detect trends in sensor data related to treatment response.
 - Reviewed and summarized relevant research papers to guide model selection and interpret physiological patterns and contribute to future poster development.
- Game Analyst Intern** June 2025 - Present
Global Origin, LLC Remote
- Analyzed player data to evaluate game performance, retention, and monetization using Python.
 - Tracked key KPIs including DAU, MAU, ARPU, and churn rate to support data-driven decision-making.
 - Conducted A/B tests and behavioral analysis to optimize game mechanics and user experience.
 - Created visual reports and dashboards to present trends to developers, designers, and marketing teams.

PERSONAL PROJECTS

- Personal Portfolio Website**
A fully responsive portfolio to showcase projects and my background.
- 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 a global audience.
 - Technology Used: Next.js, Tailwind CSS, Framer Motion
- Realtime Chat App**
A react based web application which allow users to chat in real time.
- Used Firebase Authentication(SDK) to facilitate authentication & Cloud Firestore to store data.
 - Technology Used: Reactjs, Firebase, Bootstrap, HTML.
- News Aggregator Website**
A dynamic news website to fetch and display real-time news articles.
- 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.
 - Technology Used : HTML, CSS, JavaScript, Node.js, Axios, NewsAPI.

TECHNICAL SKILLS AND INTERESTS

Languages: Java, Python, Javascript, HTML+CSS

Libraries :Pandas, NumPy, Matplotlib, Scikit-learn, Framer Motion

Web Dev Tools: Nodejs, VScode, Git, Github

Frameworks: Next.js Tailwind

Relevant Coursework: Data Structures & Algorithms, Object Oriented Programming, Multivariable Calculus

Areas of Interest: Web Design and Development, Machine Learning, Cybersecurity, Robotics.

Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability