Bhavya Wadhwa

Bachelor of Science
UMass Amherst

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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, amd order records.
- Automated routine data tasks such as mergig, filtering, and deduplicating CSV files, improving team efficiency and reducing manual errors.

•Undergraduate Research Assisstant *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 phsiological 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
Relevent 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