

Bhavya Wadhwa

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EDUCATION

University of Massachusetts Amherst Amherst, MA
B.S. in Computer Science (Honors), Minor in Business GPA: 3.96 Aug 2024 – May 2028
– Relevant Coursework: Data Structures, Object-Oriented Programming, Calculus III, Probability & Statistics
– Focus Areas: Object-Oriented Design, Software Development, Problem Solving

EXPERIENCE

Data Analyst Intern Jun 2025 – Sep 2025
Global Origin, LLC Remote
– Analyzed user engagement metrics (DAU, MAU, ARPU, churn) to support data-driven business decisions.
– Conducted A/B testing and behavioral analysis to improve feature adoption and user experience.
– Communicated insights through dashboards and reports to developers, designers, and marketing stakeholders.

Undergraduate Research Assistant May 2025 – Sep 2025
Wireless and Sensor Systems Lab Amherst, MA
– Designed reusable Python pipelines to preprocess and analyze large-scale physiological sensor datasets, improving data reliability and reproducibility.
– Built and evaluated machine learning models (SVM, KNN, CNN), achieving 92.9% validation accuracy.
– Developed visualizations and performance reports to compare experimental outcomes across conditions.

Peer Research Consultant Sep 2025 – Present
UMass Amherst Amherst, MA
– Provided technical and methodological guidance on research projects, resolving 10+ support requests per shift.
– Collaborated with peers on short-term and semester-long projects, emphasizing clear communication and accountability.

Data Management Intern May 2024 – Aug 2024
Delta Healthcare Remote
– Cleaned, organized, and processed large datasets using Python (Pandas, NumPy), reducing manual effort by 20%.
– Automated data workflows including merging, filtering, and deduplication to improve operational efficiency.

PROJECTS

NORTHSTAR | Ongoing | React, Node.js, PostgreSQL
– Building a career development platform that delivers industry insights, resume feedback, and interview practice tools for students and early professionals.
– Developed full-stack features to manage user profiles, resumes, and personalized insights using a modular and scalable architecture.
– Applied object-oriented design principles and RESTful APIs to support maintainability, extensibility, and future integrations.

Campus Connect | CalHacks 12.0 | React, Node.js, PostgreSQL
– Built a full-stack campus networking platform enabling users to discover events and connections based on interests.
– Integrated third-party APIs (Claude AI, Google Places, Google Calendar) to deliver personalized recommendations and scheduling.
– Designed scalable backend logic and database schemas to support user growth and feature expansion.

Portfolio Website | Next.js, Tailwind CSS, Framer Motion
– Designed and developed a responsive personal portfolio with a focus on accessibility, performance, and UI design.
– Deployed a fast-loading, mobile-friendly site using best practices in frontend development.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS
Frameworks: React.js, Next.js, Node.js, Tailwind CSS, JUnit
Libraries: Pandas, NumPy, scikit-learn, Matplotlib, TensorFlow, Keras
Version Control: Git, GitHub