

Bhavya Wadhwa

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EDUCATION

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

EXPERIENCE

Data Analyst Intern	Jun 2025 – Sep 2025
<i>Global Origin, LLC</i>	<i>Remote</i>
– 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
<i>Wireless and Sensor Systems Lab</i>	<i>Amherst, MA</i>
– 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
<i>UMass Amherst</i>	<i>Amherst, MA</i>
– 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
<i>Delta Healthcare</i>	<i>Remote</i>
– 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 <i>Ongoing</i> 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