

JIA BHAVESH KESARIA

608-236-3314 | jiakesaria@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

University of Wisconsin - Madison <i>Bachelor of Science in Computer Science and Data Science</i> GPA: 3.8/4.0 – Dean's List for Academic Excellence	Sep. 2024 – May 2027 <i>Madison, WI</i>
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EXPERIENCE

Customer Success Software Engineer Intern <i>LambdaTest Inc.</i>	June – August 2025 <i>Remote — San Francisco, CA</i>
<ul style="list-style-type: none">Designed a Retrieval-Augmented Generation (RAG) pipeline (FAISS + LLaMA3.2-3B) enabling semantic Q&A over 30k+ docs with <1.5s latency.Optimized LLM inference with QLoRA fine-tuning, cutting GPU memory use by 40% while sustaining 95% task accuracy.Built a full-stack AI prototype (Next.js, Tailwind, FastAPI) adopted by internal teams, demonstrating end-to-end product development from ingestion to deployment.	
PrEPS Facilitator – Undergraduate Learning Center <i>University of Wisconsin-Madison</i>	August 2025 – Present <i>Madison, WI</i>
<ul style="list-style-type: none">Lead Math 113 PrEPS sessions, facilitating small-group problem-solving and delivering mini-lectures to strengthen student understanding of foundational concepts.Enrolled in a tutor development course covering active learning, research-based strategies and effective feedback to enhance facilitation skills.	
Software Developer Intern <i>Damacloid Technologies pvt ltd.</i>	April 2021 <i>Mumbai, India</i>
<ul style="list-style-type: none">Automated banking workflows by converting raw data into Java model files, reducing manual data entry by 30+ hours weekly for a major Indian bank.	

PROJECTS

Postura <i>Full-Stack + ML</i>	Aug 2025
<ul style="list-style-type: none">Developed a real-time posture correction app using MediaPipe (33 keypoints) + custom ML models reducing form errors by 25% in pilot tests.Implemented an exercise library (10+ movements) with rep counting, scoring and instant audio/visual feedback to improve usability.Built cross-platform prototypes: Streamlit + FastAPI web app and iOS SwiftUI app, tested with 20+ users for accuracy and usability.	
Campus Path Finder <i>Java, JavaFX, Git</i>	April — May 2025
<ul style="list-style-type: none">Built a shortest-path desktop app for 50+ campus locations using Dijkstra's algorithm with sub-second response times.Designed a modular UI (GraphCanvas, ControlPanel, ResultsPanel) to enhance usability and support future feature expansion.	

COURSES & CERTIFICATIONS

Machine Learning Specialization <i>DeepLearning.AI, Stanford University</i>	Jun 2025 – Jul 2025 <i>Online</i>
<ul style="list-style-type: none">Implemented supervised and unsupervised ML algorithms in Python using NumPy, scikit-learn, and TensorFlow (regression, decision trees, clustering, anomaly detection).Built recommender systems, multi-class neural networks, and reinforcement learning agents for real-world tasks.	

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, Swift, SQL, R, HTML/CSS
Frameworks & Libraries: FastAPI, TensorFlow, scikit-learn, NumPy, Pandas, MediaPipe, FAISS, Next.js, Tailwind, Streamlit, JavaFX
Developer Tools: GCP, GitHub, GitLab, Linux/Unix, VS Code, IntelliJ, PyCharm, Xcode, Jupyter, Colab