

SHAZI C BIDARIAN

shazi.bid23@gmail.com | (949) 245-4377 | [linkedin.com/in/shazi-bidarian/](https://www.linkedin.com/in/shazi-bidarian/) | github.com/shazibid | shazi-bidarian-portfolio.vercel.app/

EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Bachelor of Science in Computer Science GPA: 3.90/4.00

Relevant Coursework: Discrete Mathematics, Systems Programming and Software Tools

La Jolla, CA

Expected December 2027

SADDLEBACK COLLEGE & IRVINE VALLEY COLLEGE

Associates in Computer Science GPA: 3.81/4.00

Relevant Coursework: Advanced Java, Data Structures and Algorithms in C++, Discrete Mathematics, Linear Algebra

Awards: The National Society of Leadership and Success, Phi Theta Kappa

Mission Viejo & Irvine, CA

June 2025

CORNELL UNIVERSITY

Break Through Tech AI

Certificates: Machine Learning Foundations

Ithaca, NY

August 2025

PROJECTS

CareFi: AI Dermatology Web Service - OpenAI Vision, YOLOv8, Supabase | Best Coast Hackathon Winner

November 2025

- Designed the client-side pipeline for an AI-driven skin analysis workflow, structuring the interfaces and data flows required to integrate vision-model outputs (OpenAI Vision, YOLOv8) into a scalable frontend system.
- Collaborated on ML system design: structured API endpoints for image analysis, trait extraction, product matching, and AM/PM routine generation.
- Built a production-ready 3-image ingestion pipeline with validation, preprocessing, and secure Supabase Storage transfer, leveraging Cursor AI for rapid component generation and debugging during frontend + Supabase integration.

Book Review Sentiment Classifier - Python

July 2025

- Built a binary text classification model on ~2,000 book reviews to predict sentiment, applying TF-IDF vectorization (5,000 features, unigrams + bigrams) for feature extraction.
 - Designed and tuned a Keras neural network with multiple dense and dropout layers, experimenting with learning rates, epochs, and feature ranges to reduce overfitting and improve generalization.
 - Benchmarked against a Logistic Regression baseline, which achieved AUC = 0.92 and outperformed the neural network, highlighting trade-offs in model selection for NLP tasks.
-

EXPERIENCE

AESTHETIC, San Diego, CA (Remote)

January 2026 - Current

Software Engineering Intern

- Architected a serverless Gmail parsing pipeline using AWS Lambda and Gemini Vision to extract fashion product images from shopping emails, implementing pattern-based classification and heuristic scoring to reduce LLM API costs by ~95%.
- Built an async product prefetch system with tiered Lambda concurrency that scrapes and caches product details (sizes, images, pricing) in the background, enabling instant load times in the iOS app.
- Designed retailer-specific URL transformation logic for 10+ e-commerce platforms (Amazon, Shopify, eBay, etc.) to upgrade thumbnail images to full-resolution for improved ML model accuracy.

ARITY, Dallas, TX (Remote)

August 2025 - December 2025

Machine Learning Project Fellow

- Designed scalable data-cleaning pipelines over 60,000+ iOS & Android telematics nodes, preparing high-quality structured data for downstream ML models in a distributed environment.
- Developed and evaluated 12+ unsupervised ML models (K-Means, DBSCAN, HDBSCAN) to cluster GPS sequences and turn behaviors, analyzing performance trade-offs and system constraints.
- Organized and led project direction for a 4-fellow team, spearheaded development and ensured alignment with Arity's deliverables, fellowship milestones, and business objectives.

BREAK THROUGH TECH AI, Cornell Tech, NY (Remote)

May 2025 - Current

Machine Learning Fellow

- Participant in 12-month long program including Machine Learning coursework with Cornell faculty, experiential learning projects, and mentorship from industry professionals
 - Completed hands-on labs and technical discussions covering unsupervised learning, evaluation metrics, and data preprocessing, strengthening applied ML foundations
 - Collaborated across fellows and mentors to translate ambiguous problem statements into concrete ML objectives, emphasizing communication between technical and non-technical stakeholders
-

SKILLS

Technical Skills: Java, C++, Python, TypeScript, SQL/Postgres, Scikit-learn, Pandas, NumPy, OpenAI Vision (VLM), Git

Soft Skills: Technical Troubleshooting, Cross-team collaboration, Leadership, Adaptability, Time Management