

Jawaad Jariwala

856-412-9541 | jawaadjariwala1jan@gmail.com | [linkedin.com/in/jawaadjariwala](https://www.linkedin.com/in/jawaadjariwala) | github.com/jawaadjariwala

EDUCATION

Master of Science in Computer Science	Dec 2026
Rutgers University	GPA: 3.9/4.0
Bachelor of Science in Computer Science and Applied Mathematics	May 2025
Rutgers University	GPA: 3.5/4.0

EXPERIENCE

Software Engineer Intern	Jan 2026 – Present
Ramedia Technologies	Freehold, NJ
- Built and deployed 2 production web platforms (real estate lead-gen and B2B industrial e-commerce) with multi-page layouts, lead/order capture, and live business workflows. - Integrated Stripe Checkout/Webhooks, Google Maps, Firebase, and email APIs for \$10K+/mo billing, property mapping, real-time database sync, and automated email workflows. - Contributed feature modules, UX, and bug fixes to a live kids' apparel e-commerce site with a custom in-browser design sandbox, built on the 10Web CMS stack.	
Machine Learning and Cybersecurity Research Assistant	Jan 2025 – Jun 2025
Rutgers University	Camden, NJ
- Built a Siamese Autoencoder intrusion detection system on NSL-KDD (148K+ samples) in PyTorch with contrastive loss and curriculum learning, improving accuracy from 54.7% to 82.1%. - Built the full training/evaluation pipeline with adversarial testing, Captum explainability, drift detection, and ONNX export; authored 2 research papers.	
Teaching Assistant, Cybersecurity	Jan 2025 – Apr 2025
Rutgers University	Camden, NJ
Guided 25+ students on data validation, input sanitization, and authentication in Python and TypeScript; evaluated assignments and exams for secure-coding practices.	
Operations Assistant	Jan 2024 – Present
Rutgers University	Camden, NJ
- Optimized Excel-based systems for event and client data, speeding issue resolution by 25%+; trained 20 new hires and led teams of 5. - Coordinated IT setup, network configuration, and on-site troubleshooting for 750+ campus events.	
Data Science Intern	Jan 2023 – Mar 2023
LearnWik Solutions Pvt. Ltd.	Mumbai, India
- Worked with 1M+ rows of sales data in Python, applying regression and classification models with data cleaning and visualization; reduced preprocessing time by 30%. - Conducted exploratory data analysis on purchasing trends, seasonal demand, and customer behavior.	

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C/C++, SQL, R, HTML/CSS
Frameworks: React, Next.js, Node.js, React Native (Expo), FastAPI, Flask, Firebase, Supabase, 10Web (WordPress)
Databases & ML: MySQL, Postgres, MongoDB, Snowflake, BigQuery, PyTorch, scikit-learn, Pandas, LangChain, RAG, ONNX, Captum
Cloud & Tools: Git, Docker, Linux, GitHub, Vercel, AWS (Cloud Practitioner), REST APIs, Stripe API, Google Maps API, Excel, Power BI, Tableau

PROJECTS

Voltra Fitness (Master's Project) React Native, Expo, TypeScript, FastAPI, Firebase, SQLite, Gemini API	Apr 2026
- Built a full-stack cross-platform fitness and nutrition app with React Native (Expo), FastAPI, Firebase Auth, and Expo SQLite; designed the complete UI/UX. - Architected an offline-first sync system with Expo SQLite as primary store and background Firebase Firestore sync for cross-device data recovery. - Integrated Gemini Vision API for food macro estimation; built a Progressive Overload & Recovery Engine tracking training volume and recommending next workouts.	
BlindSpot FastAPI, Gemini 2.5 Flash, ElevenLabs TTS, Web Speech API, JavaScript, HTML/CSS	Mar 2026
Best Community Impact Award out of 50 projects at the Rutgers Raptor Rise Pitch Competition. - Built an AI-powered assistive item finder for visually impaired users, processing live camera frames into real-time voice-guided spatial directions. - Integrated Gemini 2.5 Flash, ElevenLabs TTS, and Web Speech API for clock-position guidance, wake-word activation, and a privacy-first UI.	
Fairly FastAPI, Next.js, Python, RAG, Vector Search, Gemini 2.0, MongoDB, Snowflake	Sep 2025
2nd Place Winner of the Rutgers Hack RUC Hackathon 2025. - Built an AI-powered RAG platform that helps domestic workers understand their rights via verified government and policy documents. - Designed the RAG pipeline with vector search, FastAPI, Next.js, MongoDB, and Snowflake; built a Python semantic chunking pipeline for policy PDFs.	