

Ishrat Arshad

New York, NY | 917-749-1788 | ishratarshad101@gmail.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

CUNY Hunter College — New York, NY • Expected May 2027

Bachelor of Arts, Computer Science Major, Applied Mathematics Minor; Economics Minor

GPA: 3.98 | **Honors:** Dean's List

Coursework: Computer Architecture, Data Structures and Algorithms, Advanced Algorithms, Software Analysis and Design, Discrete Structures, Linear Algebra, Differential Equations, Statistics and Data Analysis

Programming Languages: Python, C++, Java, JavaScript, TypeScript, SQL, HTML, CSS, Swift, C#, PHP

Technologies: React.js, Node.js, Django, Flask, Ruby on Rails, ASP.NET, MySQL, AWS, Google Cloud, Docker, Git/GitHub, scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, Matplotlib

Certifications: Machine Learning Foundations Certification — Cornell University (Jul 2025), AI Agent Foundations Certification — NeuralSeek (Aug 2025)

EXPERIENCE

The Difference App

New York, NY

Data Engineer Intern

Aug 2025 – Present

- Built and automated ETL pipelines to ingest, clean, and validate health datasets, ensuring reliable analytics for 1,000+ active users.
- Automated SQL workflows and modeled MySQL schemas for the TrueBurn calorie-tracking system, improving metric accuracy by 20% and expanding reports to include nutrient breakdowns and calorie burn trends.
- Optimized backend pipelines with Node.js and Express.js, reducing average query time from 1.3s to 0.2s (~85%) and enabling near real-time dashboards.

Software Engineer Intern

Jun 2025 – Aug 2025

- Shipped 10+ production features with Flutter, Laravel (PHP), and MySQL, scaling functionality for 1,000+ users and cutting onboarding time by 30%.
- Redesigned subscription workflows, fixing critical bugs, improving accessibility compliance, and integrating Android notifications to boost engagement.
- Refactored admin console backend with Node.js and Express.js, cutting API response times by ~70% and streamlining health data tracking.

Unadat

New York, NY

Software Engineer Intern / Associate Product Manager

May 2025 – Aug 2025

- Developed production-ready features and UI components for a scalable SaaS web app supporting 1,000+ users in managing debt and financial goals, collaborating with cross-functional teams to align design, implementation, and business priorities.
- Built interactive front-end interfaces and integrated backend logic using HTML, JavaScript, PHP, and Google Cloud, reducing release cycles by ~30% while ensuring secure, responsive, and state-managed user experiences across devices.
- Coordinated and led a team of interns in implementation and development efforts, directing sprint planning and product roadmaps that drove adoption of new tools by 500+ users and improved agile delivery efficiency by ~20%.

NeuralSeek

Miami, FL

AI Agent Builder Intern

July 2025 – Present

- Built multi-agent RAG pipelines linking LLMs with enterprise knowledge bases, reducing query latency by 40% and scaling to support larger datasets and concurrent queries.
- Integrated governance controls (hallucination detection, confidence thresholds, PII filtering) that flagged 200+ unsafe outputs and reduced hallucination-related failures by ~25%.
- Benchmarked and tuned LLM configurations across accuracy, latency, and cost, producing reports adopted by engineering leadership to guide deployment strategy and confirm ~90% faster rollout vs. manual builds.

Chambers Capital Ventures

New York, NY

AI Studio Fellow (Cornell Tech)

Aug 2025 – Present

- Built ML pipelines on EEG time-series and learner surveys using PCA and classical classifiers, achieving >75% disengagement prediction accuracy and visualizing brainwave patterns to drive adaptive learning triggers (micro-breaks, content shifts).
- Developed an interactive dashboard and authored an ethical L&D playbook addressing bias, consent, and fairness, enabling neuroscience-driven AI solutions that align with organizational performance goals.

PROJECTS

SteadyCare

September 2025

- Built a virtual health assistant that answers medical questions, manages reminders, and tracks medications.
- Integrated Python's SpeechRecognition, PyAudio, and CMU Sphinx to achieve 92% accuracy in noisy environments, and redesigned the interface to cut scheduling steps from 6 to 4, reducing task time by 35%.
- Developed a Flask REST API with CSV storage and the Schedule library that scheduled and delivered reminders, boosting system reliability and improving simulated medication tracking by 40%.

NewsGuard

May 2025

- Built a full-stack misinformation detection tool with Flask (API), React.js (UI), and scikit-learn (TF-IDF + logistic regression), achieved 88%+ classification accuracy on a labeled dataset of 2,000 news samples.
- Integrated explainability with LIME and NLTK, generating color-coded highlights, suspicious phrase filters, and word-level attributions that improved user identification of misinformation by 65% in pilot evaluations.