SHITHILA URSHI

(914) 446 –5051 | ushithila@gmail.com | Portfolio | LinkedIn

EDUCATION

Hunter College, City University of New York (CUNY) — Manhattan, NY
Bachelor of Arts in Computer Science | GPA: 3.79/4.00 — Expected May 2027
Relevant Coursework:
Data Structures & Algorithms, Discrete Structures, Databases & SQL Programming

SKILLS

Data & Programming: Python, SQL, Pandas NumPy, Matplotlib
Programming Languages: C++, HTML/CSS, JavaScript, Lua
Tools: Git/GitHub, Conductor, VS Code
Databases: PostgreSQL
Web Development: UX/UI Design, Accessibility Auditing, SEO, Core Web Vitals
Soft Skills: Technical Communication, Collaboration, Research Writing

RELEVANT EXPERIENCE

CUNY Tech Prep — New York, NY
Data Science Fellow — June 2025 – Present
- Selected for a competitive data science fellowship across the 11 CUNY senior colleges, developing technical projects using Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, and SQL.
- Participate in weekly courses and learn industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science process, and big data.

CUNY Hunter College — New York, NY
Undergraduate Teaching Assistant — March 2025 – Present
- **Built auto graders** to automatically test and grade student code submissions.
- **Created homework problems** covering Python fundamentals and data structures.
- Tutored 400+ students, breaking down complex programming and data structure concepts into clear, understandable explanations.

CUNY Hunter College, TIER Lab — New York, NY
Robotics Research Assistant — May 2025 – August 2025
- Leveraged Python and C++ to extend the **SemaFORR AI framework**, enabling socially aware navigation for mobile robots.
- **Analyzed human movement data** to model context-sensitive robot behavior in public spaces.

Girls Who Code & Accenture — New York, NY
Work Prep Participant — May 2025 – June 2025
- Explored applications of AI and analytics in consulting through workshops and mentorship.
- Designed a hospital modernization proposal leveraging AI-driven tools to improve healthcare delivery.

Wyndham Hotels & Resorts — Parsippany, NJ
SEO Analyst Intern — January 2025
- Analyzed **Core Web Vitals** and Conductor data to identify performance improvement opportunities, increasing **site speed** performance and **engagement metrics** by 20%.
- Recommended and implemented **personalization strategies** that increased user engagement metrics.

Mount Sinai Health System — New York, NY
BreakThroughTech Intern (Data Track Program) — January 2024
- Streamlined IT support processes, reducing response time across departments.
- Documented and optimized workflows to enhance **technical accessibility** for employees with impairments.

PROJECTS

Heartbeats – Python, Flask, Machine Learning, TailwindCSS | GitHub — September - December 2025
- Built a music-matching web app where users upload a song and receive similar-vibe recommendations.
- Evaluated similarity scores across audio features to validate recommendation accuracy.
- Implemented audio feature extraction and similarity-scoring logic using Python and Machine Learning techniques.