

Ashriya Tuladhar

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Education

University of Massachusetts Boston, Boston, MA, USA

Bachelor's degree in Computer Science, Spring 2025- Fall 2027

G.P.A: 3.81(transferred gpa)

Coursework: Data Structures(CS 210), Discrete Mathematics(CS 220), Calculus II(MATH 141), Linear Algebra(MATH 260)

Awards: Transfer Merit Scholarship

Seneca College, Toronto, Ontario, Canada

Associate's degree in Computer Science, August 2023

Technical Skills

Languages: Python, R (basic), C, C++, Java, JavaScript, HTML, CSS

Data & ML: NumPy, Pandas, scikit-learn, Matplotlib, Seaborn, EDA, Regression, Classification, Clustering

Tools: Power BI (basic), SQL, MongoDB, ElephantSQL, Git, GitHub, AWS (basic), Jupyter, VS Code

Other: Django (basic), OpenWeatherMap API, Figma, Canva, Agile, Data Cleaning, Model Evaluation, Data Pipelines

Experience

Break Through Tech AI Program, Cornell Tech + MIT(Ongoing)

AI Fellow— May 2025 – Present

- Selected for a competitive, year-long machine learning program led by Cornell Tech and MIT
- Built supervised ML models (e.g., regression, k-means) using Python, NumPy, and scikit-learn
- Conducted EDA, feature engineering, and model evaluation (precision, recall, F1-score)
- Collaborated with peers and TAs during weekly lab sessions to analyze datasets, implement models, and complete assignments under deadlines
- Strengthened data storytelling, analytical thinking, and teamwork by engaging with AI professionals and presenting technical findings in group settings

Riverside Community Care, Somerville, MA

Data Coordinator/Analyst (Part-time), January 2025 – Present

- Enter and analyze client demographic data, ensuring accuracy and efficiency in electronic health records.
- Collaborating remotely with clinical and billing teams to streamline client intake and authorizations.
- Maintaining accurate client and billing data in the EHR system, ensuring 100% insurance compliance.
- Prepare monthly reports on client enrollment, discharges, days of service, and program expenditures to support operational planning and billing accuracy.

Administrative Assistant/Front Desk Representative, October 2023 – December 2024

- Coordinated scheduling and inventory management for 5+ programs, ensuring smooth first-floor operations.
- Collaborated with directors to optimize resources and improve program coordination.
- Streamlined front desk processes, reducing client wait times by 30% and increasing satisfaction by 25%.
- Managed medical records, enhancing data accuracy and retrieval by 40%, while ensuring HIPAA compliance.
- Analyzed supply data and tracked inventory, improving program funds by 15% through budget optimization.

Broadway Infosys, Nepal

Senior Student Teaching Assistant (Java), June 2021 – February 2022

- Supported students in learning Java programming theory, troubleshooting issues, and debugging code.
- Assisted in organizing coding workshops and group projects, improving overall course engagement.
- Reinforced technical knowledge by mentoring and guiding students through hands-on exercises.

Projects

Sample Basic Personal Portfolio (<https://github.com/t-ashriya/index1>)

- Designed and developed a personal portfolio website to showcase projects, skills, and experience.
- Built using HTML, CSS, and JavaScript for a responsive user experience.

End-to-End Business Intelligence Project (https://github.com/t-ashriya/PowerBI_project)

- Developed a comprehensive BI solution using Power BI and SQL to analyze business data and generate actionable insights.
- Designed interactive dashboards to visualize key performance indicators (KPIs) and trends.

Machine Learning Labs Portfolio (<https://github.com/t-ashriya/BreakthroughTechAI-labs>)

- Executed complete ML workflows including data cleaning (winsorization, encoding), model development (CNNs, ensembles), and performance tuning.
- Collaborated in technical teams during AI labs to troubleshoot model issues, present findings, and refine approaches - strengthening both machine learning expertise and agile teamwork skills