

Nishtha Ladi

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EDUCATION

Boston University, College of Engineering, Boston, MA

Expected Graduation: May 2027

Bachelor of Science in Computer Engineering, GPA: 3.74/4.00

Concentration: Machine Learning

Accomplishments: Presidential Scholar | Dean's List | Dean's Host for College of Engineering

Related Coursework: Linear Algebra, Intro to Software Engineering, Data Structures and Algorithms, Software Design, Operating Systems, Cloud Computing, Machine Learning, AI

WORK EXPERIENCE

PeacLab Research Group, Boston University

Mar 2025 – Present

Research Assistant

- Use ML models to reduce underprediction of key output features such as execution time, number of cores, and memory size in the Fugaku supercomputer workload dataset.
- Evaluated different machine learning approaches to enhance overall prediction accuracy across multiple metrics.

PayGlocal, Bangalore, India

May 2025 – Aug 2025

AI Software Development Intern

- Designed and developed end-to-end automation tools to streamline risk underwriting and KYC/KYB verification by extracting key decision-making metrics from onboarding documents.
- Built a system to identify and validate RBI purpose codes from merchant data and invoices.

IIT, Madras, India and NIAS, Bangalore, India

Jun 2024 – Aug 2024

Research Intern

- Conducted research on Physics-Informed Extreme Learning Machines (PIELMs) to solve linear PDEs.
- Investigated the potential of NeuroChaos networks beyond classification tasks, exploring their applicability to regression problems and future use in solving differential equations.

LEADERSHIP AND ACTIVITIES

Girls Who Code, Boston University

Sep 2024 - Present

Bytes Facilitator

- Mentored high school students and introduced them to Python programming and AI/ML concepts

BU Jalwa, Boston University

Sep 2023 - Present

Captain

- Led a 35+ member intercollegiate competitive dance team.
- Won "Best Lead Role" twice in national competitions.

Boston University Consulting Group, Boston University

Sep 2024 - Dec 2024

StrategyLab Analyst

- Conducted market research and analysis to develop strategic growth and profitability recommendations for the Hyatt Group of Hotels.

Project Endelevu, Bangalore, India

Jun 2020 – Feb 2023

Co-founder

- Upcycled 190 lbs of clothing and conserved 135,000+ liters of water to promote sustainable fashion.
- Selected to present at the United Nations HQ among 80+ global initiatives.

SKILLS

- **Programming and Tools:** Python, C++, Java, SQL, MATLAB, AI/ML
- **Languages:** English, Hindi, Odia and Telugu