

Gitika Jha

(857) 313-2519 | gitikavjha@gmail.com | [linkedin.com/in/gitika-jha](https://www.linkedin.com/in/gitika-jha) | github.com/notgitika | gitikajha.tech

EDUCATION

Boston University, Graduate School of Arts and Sciences

Boston, MA

Master Of Science in Computer Science - GPA: 3.65

Sep 2022 - Jan 2024

University of Mumbai, K.J. Somaiya Institute of Information Technology

Mumbai, India

Bachelor of Technology in Information Technology - GPA: 3.9

Sep 2018 - May 2022

SKILLS

Programming Languages: Python, Java, SQL, JavaScript, HTML/CSS, R, C++

Libraries & Frameworks: TensorFlow, PyTorch, Django, React, Node.js, pandas, NumPy, Matplotlib, CUDA

Tools: AWS, Google Cloud Platform, Power BI, Tableau, Microsoft Office, Git, Docker, Snowflake, MySQL, BigQuery

Machine Learning: Large Language Models (LLMs), GPU-based Training and Inference, Model Evaluation

Coursework: Advanced Algorithms, Advanced Data Management Technology, User Centric Design for Data Science,

Natural Language Processing, Data Mining & Business Intelligence, Tools for Data Science, Machine Learning

Interpersonal Skills: Analytical Thinking, Leadership, Problem Solving, Adaptability, Effective Communication

EXPERIENCE

Image & Video Computing Lab - Boston University

Boston, MA

Research Assistant

Jun 2023 - Jan 2024

- Drove research in personalization in image stylization and concept learning in generative models
- Implemented models on GPU clusters, optimizing for performance and scalability, reducing training time by 60%

Indian Society for Technical Education

Mumbai, India

Software Engineer & Analyst Intern

May 2021 - Jan 2022

- Spearheaded end-to-end development of the Membership Portal, employing Node, React, AWS S3
- Attracted 100,000 student members, 5,000 life members, and over 100 institute members through the website
- Streamlined management of 140,000 life members and 1 million student members by migrating to MongoDB

C-Edge Technologies - Tata Consultancy Services & State Bank of India

Mumbai, India

App Development Intern

Dec 2019 - Jan 2020

- Constructed a mobile application under the Government Business Module Team using Android Studio
- Enhanced user experience by integrating intuitive navigation and responsive design elements

PROJECTS

Political Speech Generation and Analysis

Dec 2023

- Developed a political speech generator using LLMs like GPT-3.5 and GPT-4
- Performed analyses on generated political speeches to evaluate model effectiveness

Atfal Mafkoda – Missing Children

Dec 2023

- Developed an end-to-end ML pipeline for facial recognition utilizing DeepFace, MTCNN, and various metrics
- Achieved accurate matching results and streamlined the process for efficient deployment in Streamlit

Cradles to Prison Pipeline Analysis, CfJJ x Northeastern University

Mar 2023

- Conducted data analysis to uncover insights into adult incarceration in marginalized communities

Self-Supervised Learning for Breast Cancer Image Analysis

Feb 2022

- Developed an interpretable ML model using the Self-Supervised Learning paradigm
- Achieved a model accuracy of 96.7% for classifying benign and malignant tumors from MRI scans

ACTIVITIES & LEADERSHIP

Academic Policy Committee - Boston University

Boston, MA

Student Representative

Sep 2023 - Dec 2023

- Nominated by the Associate Dean to represent the Computer Science Department to maintain academic integrity

Grace Hopper Celebration '23

Orlando, Florida

Scholar, Fully-Sponsored Attendee

Sep 2023

- Selected from a competitive pool of applicants to represent BU's CS Department

Computer Society of India

Mumbai, India

Secretary

May 2021 - May 2022

- Curated workshops and seminars on diverse CS topics
- Volunteered as a coordinator for teaching Computer Science and C++ to underprivileged students

Students' Council - University of Mumbai

Mumbai, India

President

Jan 2021 - Jan 2022

- Led a team of 150+ students in organizing cultural, sports, and fundraising events
- Fostered relationships with students, faculty, and external organizations for seamless event execution