

GITIKA JHA

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EDUCATION

BOSTON UNIVERSITY, GRADUATE SCHOOL OF ARTS AND SCIENCES

Master Of Science (M.S.) in Computer Science

Boston, MA

Expected Dec 2023

UNIVERSITY OF MUMBAI, K.J. SOMAIYA INSTITUTE OF INFORMATION TECHNOLOGY

Bachelor of Technology (BTech) in Information Technology

Mumbai, India

Sep 2018 – May 2022

WORK EXPERIENCE

AI4ALL @ BU

Boston, MA

Research Assistant & Teaching Coordinator

Jun 2023 – Aug 2023

- Drove research in introducing personalization in the image stylization and concept learning at BU's Image and Video Computing Lab
- Conceptualized and delivered AI and Python lessons to empower 25 young women in high school, fostering foundational technical skills
- Orchestrated eye-opening field trips to Meta and Smart Eye for firsthand real-world tech insights

Indian Society for Technical Education

Mumbai, India

Software Engineer & Analyst Intern

May 2021 – Jan 2022

- Spearheaded full-stack end-to-end development of the [ISTE Membership Portal](#), employing NodeJS, ReactJS, AWS S3, and MongoDB
- Attracted an impressive 100,000 student members, 5,000 life members, and over 100 institute members during 2021-22 through the website, a 150% increase from the previous year
- Streamlined management of 140,000 life members and 1 million student members by migrating legacy software to MongoDB
- Acknowledged and rewarded for exceptional contributions by Mr. Uddhav Thackeray, the Chief Minister of the State of Maharashtra

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

Mumbai, India

App Development Intern

Dec 2019 – Jan 2020

- Designed a dynamic app for the Government Business Module Team with Android Studio, enhancing digital interactions by 10%
- Collaborated with a cross-functional team to ideate, design, develop and implement the application following the Agile methodology

MAJOR PROJECTS & RESEARCH WORK

Concept learning and Stylization for Personalization using Diffusion Adapters

Jun 2023 - Present

- Led the creation of a novel approach to personalization within generative models with adapters in a team of 4 members
- Enabled a more precise adaptation using limited examples and reduced model training time by 60% on average

Cradles to Prison Pipeline Analysis in Boston, Citizens for Juvenile Justice (CfJJ) x Northeastern University

Mar 2023

- Conducted the data analysis to uncover crucial insights into childhood experiences and adult incarceration in marginalized communities

BankEasy: A Java Application for Bank Managers

Nov 2022

- Engineered a Java-based application employing Object-Oriented programming principles and Software Design Patterns for a team of 4
- Enhanced operational efficiency for bank managers through streamlined functionalities and user-friendly interfaces

Self-Supervised Learning for Breast Cancer Image Analysis, *Published at the CRC Press, Taylor & Francis*

Feb 2022

- Achieved an impressive model accuracy of 96.7% on the dataset for the classification of benign and malignant tumors from MRI scans
- Pioneered the development of an interpretable ML model with the Self-Supervised Learning paradigm

ACTIVITIES & LEADERSHIP EXPERIENCE

Academic Policy Committee

Oct 2023 - Present

- Nominated by the Associate Dean of BU GRS to represent the Department of Computer Science as the only student representative
- Involved in the decision-making process that shapes the educational landscape of BU, upholding the academic integrity & excellence

Grace Hopper Celebration (GHC) '23 Sponsorship

Sep 2023

- Sponsored by the Department of CS at BU from a competitive pool of applicants to attend GHC '23 in-person at Orlando, Florida

Computer Society of India – Secretary

May 2021 – May 2022

- Orchestrated and curated an engaging lineup of workshops and seminars, catering to diverse topics within the realm of CS
- Volunteered as a student coordinator to teach underprivileged high school students about Computer Science and C++
- Attracted an audience of 200+ attendees on average per event, a 20% increase from the previous tenure

Students' Council – President

Jan 2021 – Jan 2022

- Led a high-performing team of 150+ students to coordinate and execute a spectrum of cultural, sports, and fundraising events, increasing event frequency by 25% and funds raised by 30%
- Fostered productive relationships with students, faculty, and external organizations, ensuring seamless event execution

SKILLS

Relevant Coursework: Advanced Algorithms, Advanced Data Management Technology, Operating Systems, Object Oriented Design, User Centric Design for Data Science, Natural Language Processing, Data Mining & Business Intelligence, Tools for Data Science, Image and Video Computing, Artificial Intelligence, Machine Learning Practicum

Certifications & MOOCs: IBM – 'Data Science Professional Certificate'

Technical Skills: Python Language and Libraries, Java Programming Language, SQL, Data Mining, Data Analysis, Database Management, Web development using Flask, Django, TensorFlow, React & Node, Data Visualization, Microsoft Office

Interpersonal Skills: Critical & Analytical Thinking, Leadership skills, Problem Solving, Adaptability, Good Written and Verbal Communication Skills

Languages: English, Hindi, Marathi, Maithili, Korean