

# MAYURI UPADHYAYA

New York, NY || +1 551-344-6291 | [mayuribupadhyaya@gmail.com](mailto:mayuribupadhyaya@gmail.com) | <https://www.linkedin.com/in/mayuribupadhyaya/> |  
<https://github.com/mayuriupadhyaya> | <https://mayuriupadhyaya.github.io/>

## EDUCATION

### New York University

M.S. in Computer Engineering | **CGPA:** 3.78 / 4.0

**New York, NY**

Sep 2022 – May 2024

**Relevant Coursework:** Machine Learning, Deep Learning, Computational Statistics, Internet Architecture & Protocols

**Involvement:** AnitaB.org GHC 2023 scholar (in-person), Member of Girls Who Code, Rewriting the Code, and Tech@NYU clubs.

### R. V. College of Engineering

B.E. in Electronics and Telecommunication Engineering | **CGPA:** 3.44 / 4.0

**Bangalore, IN**

Aug 2016 – July 2020

**Relevant Coursework:** Data Structures and Algorithms, Digital Signal & Image Processing, Computer Networks, Web Development

**Involvement:** 2-times state-level winner and Bharatanatyam dancer at team Footprints.

## WORK EXPERIENCE

### LOCOMeX Inc.

#### Applied Data Science Intern

**New York, NY**

Jun 2023 – Aug 2023

- **Led** an end-to-end development of an ML-driven, fully automated Win-Rate optimizer predicting supplier success in ESG projects, resulting in a **10-fold increase** in Locomex Supplier Plan subscriptions.
- Engineered seamless remote accessibility to a **scalable microservice** by deploying an NLP model as a RESTful API via AWS Lambda, effectively enabling integrations with various use cases.
- Achieved **95% accuracy** in text summarization, semantic search, and data retrieval from 10,000+ text-rich document pages by leveraging NLP techniques and vector search methodologies.
- **Doubled** data extraction **speed** by developing custom web crawlers for dynamic websites, surpassing licensed data extraction tools.
- **Proficient in** Python, NLP, ETL, RESTful API, AWS lambda & S3, LangChain, Kor, Pinecone, Postman, Faiss, Scikit-Learn, Pandas, NumPy, Matplotlib, RegEx, Selenium, BeautifulSoup, Microsoft Excel, Bash, Git.

### NYU Tandon School of Engineering

#### Graduate Research Assistant

**Brooklyn, NY**

Feb 2023 - May 2023

- Pioneered an **Open-Source** initiative via **NSF** grant #2231984 by leveraging state-of-the-art midscale facilities/ testbeds. Developed lab experiments on computer networks and security, **empowering ~300 graduate students** every semester.
- Earned **2<sup>nd</sup> place** in FABRIC for education presentation at the NSF KNIT-6 workshop, Texas Advanced Computing Center.
- Nominated to **lead a tutorial** on MERIs for Education at NSF Midscale Experimental Research Infrastructure Forum 2023, Boston.
- **Proficient in** Computer networks, TCP/IP protocols, Python, Linux, Bash scripting, HTML5, Git.

### Dover Corporation

#### Software Engineer

**Bangalore, IN**

Jan 2020 – July 2022

- Achieved an **annual cost avoidance of ~\$1M** by implementing and supporting in-house Salesforce Sales and Service CRM solutions across 10 projects.
- Engineered and executed a range of Apex triggers, classes, and SOQL-based DML operations that efficiently routed and notified business users of vital service-related updates.
- Orchestrated the seamless deployment of end-to-end Salesforce automation across Production, UAT, and Dev instances.
- Catalyzed software development and CI/CD optimization by skillfully implementing Bitbucket, Jira, and Agile/Scrum methodologies, leading to streamlined workflows and enhanced collaboration.
- Drove quality assurance through thorough unit, integration, and functional testing, resulting in notable improvements within the development environment.
- **Proficient in** Apex programming, SFDC LWC, SQL, JavaScript, CSS, HTML5, Tableau, Excel, Reports and Dashboards.

## PROJECTS

### Legal LLaMa | NYC Gen AI hackathon

April 2023

- Secured **\$3000 cohere credits** for a GPT-4 and Pinecone-powered chatbot, delivering tailored responses on US immigration, travel, and citizenship inquiries. Presented verified USCIS website sources and suggested local immigration attorneys for legal guidance.

### EDIA Health | HackNYU 2023

Feb 2023

- **Won** Major League Hacking **Best use of Matlab** for a prototype that helps people with sensorineural hearing loss hear better.

## SKILLS

**Programming Languages/ Tools:** Python, C++, C, SQL, MATLAB, Bash, Git, Excel, AWS, GPT, Pinecone, Postman, Tableau.

**Libraries and Frameworks:** PyTorch, LangChain, Faiss, Kor, Scikit-Learn, Pandas, NumPy, Selenium, BeautifulSoup, Matplotlib.