**MAYURI UPADHYAYA**

New York, NY | | +1 551-344-6291  | [mbu2005@nyu.edu](mailto:mbu2005@nyu.edu) | <https://www.linkedin.com/in/mayuribupadhyaya/> | <https://github.com/mayuriupadhyaya> | <https://mayuriupadhyaya.github.io/>

**EDUCATION**

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| **New York University** | **New York, NY** |
| M.S. in Computer Engineering | **GPA:** 3.78 / 4.0 | *Sep 2022 – May 2024* |

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| **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** | **Bangalore, IN** | | B.E. in Electronics and Telecommunication Engineering | **GPA:** 3.44 / 4.0 | *Aug 2016 – July 2020* |  |  | | --- | | **Relevant Coursework:** Data Structures and Algorithms, Digital Signal & Image Processing, Computer Networks, Web Development | | **Involvement:** 2-timesstate-level winner and Bharatanatyam dancer at team Footprints. | |

**WORK EXPERIENCE**

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| **LOCOMeX Inc.** | **New York, NY** |
| **Applied Data Science Intern** | *Jun 2023 – Aug 2023* |

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| * 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 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** Environmental Social Governance, 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. |

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| **NYU Tandon School of Engineering** | **Brooklyn, NY** |
| **Graduate Research Assistant** | *Feb 2023 - May 2023* |

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| * 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 2nd 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. |

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| **Dover Corporation** | **Bangalore, IN** |
| **Software Engineer** | *Jan 2020 – July 2022* |

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| * 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**

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| **Legal LLaMa | NYC Gen AI hackathon** | *April 2023* |

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| * 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. |

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| **EDIA Health | HackNYU 2023** | *Feb 2023* |

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

**SKILLS**

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| **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. |