Mayuri Upadhyaya

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https://github.com/Mayuri103120

EDUCATION

New York University   **New York, NY**
M.S. in Computer Engineering | GPA: 3.78 / 4.0   *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 Rewriting the Code, Girls Who 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, Image Processing, Computer Networks
Involvement: Bharatanatyam Dancer at Team Footprints. Won 1st place in two state-level Indian contemporary dance competitions.

WORK EXPERIENCE

LOCOMeX Inc.   **New York, NY**
Applied Data Science Intern   *Jun 2023 – Aug 2023*
- Leveraged NLP techniques in conjunction with vector search methodologies to achieve a commendable 95% accuracy in extracting specific information, matching industry codes, and summarizing text from RFx documents spanning up to 400 pages.
- Deployed the NLP model by configuring it as an API via AWS Lambda, enabling seamless remote accessibility.
- Developed efficient web crawlers to automate the systematic extraction of unstructured data from complex dynamic web applications, achieving a 2-fold increase in extraction speed compared to licensed web data extraction software.
- Retrieved Adverse Media, Business search, and Risk inform data of 78 companies by interfacing with the Thomson Reuters CLEAR API using Postman.
- Skills and tools: ESG, Python, NLP, ETL, REST API, AWS, LangChain, kor, Pinecone, Faiss, Selenium, BeautifulSoup, Postman.

NYU Tandon School of Engineering   **Brooklyn, NY**
Graduate Research Assistant   *Feb 2023 - May 2023*
- Open-Source project, NSF grant #2231984 - Developed lab experiments for teaching computer networks and security to nearly 300 undergraduate and graduate students every semester using midscale facilities (FABRIC, CloudLab, Chameleon testbeds).
- Placed 2nd in FABRIC for education presentation at NSF KNIT-6 workshop at Texas Advanced Computing Center.
- Nominated to lead a tutorial on MERIs for Education at NSF Midscale Experimental Research Infrastructure Forum 2023, Boston.
- Skills: Computer networks, TCP/IP protocols, Python, Linux, Bash scripting, HTML5, Git.

Dover Corporation   **Bangalore, IN**
Software Engineer   *Jan 2020 – July 2022*
- Implemented and supported in-house Salesforce Sales and Service CRM solutions across 10 projects by adhering to best practices, which led to a remarkable cost avoidance of ~$1M every financial year.
- Developed Apex triggers, classes, and SOQL-based DML operations to efficiently route and notify business users of critical service-related updates.
- Deployed end-to-end Salesforce automation by leveraging record-triggered, screen, and auto-launched flows, process builders, workflows, and validation rules across Production, UAT, and Dev instances.
- Streamlined software development and CI/CD using Bitbucket, Jira, and Agile/Scrum methodologies.
- Performed unit, integration, and functional testing leading to significant enhancements in the dev environment.
- Skills: Apex programming, SQL, JavaScript, CSS, HTML5, Tableau, Excel, Reports and Dashboards.

PROJECTS

Legal LLaMa | Contrary Research Gen AI hackathon   *April 2023*
- Developed a chatbot using GPT-4 and Pinecone APIs to deliver tailored responses about immigration, travel, and US citizenship inquiries. It identifies information sources and offers recommendations for nearby immigration lawyers for legal assistance.

SKILLS

- Programming Languages/ Tools: Python, C++, SQL, Matlab, Bash, Git, Microsoft Excel, AWS lambda & S3, GPT, Pinecone, Postman, Tableau.
- Libraries and Frameworks: TensorFlow, PyTorch, LangChain, Faiss, Scikit-Learn, Pandas, NumPy, Selenium, BeautifulSoup, Matplotlib.
- Web Development: Apex, SFDC Lightning Web Components, PHP, CSS, HTML5