Srihari Raman
srihariraman9@gmail.com | LinkedIn | GitHub | Website | 302-685-7938

EDUCATION

Northeastern University, Boston, MA   *January 2023 - Present*
Khoury College of Computer Sciences
Candidate for Bachelor of Science in Data Science & Finance   GPA: 3.83/4.0
Awards & Activities: Dean's List - D'Amore McKim School of Business (DMSB), NU DATA Club (Data Researcher), AI Northeastern (Club Member), Knack (Peer Tutor), NU Aaroh (Lead Musician)
Relevant Coursework: Blockchain in Finance, Algorithmic Robo Trading, Database Design, Business Statistics, Supply Chain

TECHNICAL SKILLS

Languages: Python, SQL (Spark SQL, RediSQL, MQL), Java, HTML, CSS, Solidity
Technologies & Libraries: AWS, Microsoft Azure, Databricks, Apache Spark, Docker, MLFlow, Django, MongoDB, SKLearn, HuggingFace, Tableau, Jira, JMP Statistics, RedisDB, GitHub Actions
Certifications: AWS Certified Cloud Practitioner, Databricks Lakehouse Fundamentals

WORK EXPERIENCE

Fyras Solutions   Seattle, WA
Software Engineering Intern   *April 2025 – Present*
- Architected an AI content moderation service for the MVP firewall product, achieving a 80% reduction is PII redaction time using asynchronous NLP inference models compared to baseline rule-based architecture
- Engineered an Azure-based client authorization system, improving content moderation scalability and auditing by 75%
- Systemized a dynamic rule set system for the LLM firewall service, allowing customers to define custom rulesets for personalized redaction systems

Procter & Gamble - Gillette   Boston, MA
R&D Data Science Co-Op   *July 2024 – December 2024*
- Engineered two end-to-end Databricks pipelines for embedded systems, achieving a 95% increase in processing efficiency
- Optimized smart systems data processing pipelines using Databricks Delta Live Tables, achieving an 85% reduction in cleaned data lead times

Northeastern University - DMSB   Boston, MA
Undergraduate Research Assistant   *September 2023 – February 2024*
- Assisted in developing an NLP-focused analysis framework to analyze the development of over 7 million patent topics
- Implemented BERT Transformers with cloud-computing parallelization techniques for 20+ years of claim data to visualize patterns and draw critical insights from word clusters

PERSONAL PROJECTS

ClassRAG: Experiment-Based RAG Pipeline System | GitHub   *February 2025 – Present*
- Formulating a "plug-and-play" framework that abstracts RAG system construction at a modular level, reducing construction overhead by 70% for standard pipelines
- Automating an experiment that assessed 480+ build combinations to suggest optimal build architectures by query type

BlockchainViz: Real-Time Dashboarding on Bitcoin's Network | GitHub | Medium *February 2024 – June 2024*
- Engineered an end-to-end data pipeline that processed 450+ batches of block data with Blockchain's API data
- Implemented a fully dynamic Tableau dashboard that queried 5000+ records from a MongoDB Atlas cluster in real-time to provide profitability insights for Bitcoin miners

Linguisight: NLP Analysis Framework | GitHub   *November 2023 - January 2024*
- Architected the Linguisight pipeline by designing a three-tier system to create a versatile NLP framework that simplifies textual data analysis for software developers
- Spearheading 3 data engineers to deliver a high-impact MVP, showcasing exceptional leadership and project execution