

# Sreya Sirivella

+1 716-808-0510 | [sreyasirivella1506@gmail.com](mailto:sreyasirivella1506@gmail.com) | [www.linkedin.com/in/sreyahere](https://www.linkedin.com/in/sreyahere)

## EDUCATION

### University at Buffalo (State University of New York)

Master of Science, Computer Science and Engineering

Aug. 2023 - Dec. 2024

CGPA: 3.5/4

### VelTech University

Bachelor of Science, Computer Science and Engineering

Aug. 2019 - May 2023

CGPA: 9.12/10

## WORK EXPERIENCE

### Grepthor Software Solutions

Machine Learning Intern

Jan. 2023 - Jun. 2023

- **Tech Stack:** Python, scikit-learn, Docker, AWS,
- Developed a product recommendation system using **Collaborative Filtering in Python** and **scikit-learn**, improving personalized suggestion accuracy by 20%. Implemented Docker for deployment, streamlining testing across environments and reduced setup time.
- Employed **feature scaling** and **cross-validation** techniques to improve recommendation accuracy and reliability.
- Successfully implemented local deployment of the system using **Docker**, ensuring portability and ease of testing across environments.

### AICTE - AWS Cloud Virtual Internship

Cloud Computing Intern

Dec. 2022 - Feb. 2023

- **Tech Stack:** AWS Cloud, AWS Security, Networking, Databases
- Analyzed cloud architectures, reducing vulnerabilities by 25%, and gained hands-on experience in **AWS Cloud Foundations** and **AWS Cloud Architecting**, enhancing security and database management.
- Designed and implemented scalable cloud architectures, integrating storage, compute, and database layers.
- Instituted comprehensive security protocols for user and application access management.
- Gained expertise in AWS by designing scalable architectures and configuring cloud resources, reducing provisioning time for future deployments.

### Knowledge Solutions

Machine Learning Intern

Jul. 2022 - Sep. 2022

- **Tech Stack:** Python, scikit-learn, NLP, Logistic Regression, Feature Selection
- Engineered an NLP-powered resume screening tool using **BERT-based models**, enabling automatic detection of spelling errors, grammatical mistakes, and repeated words while improving word suggestion accuracy and context-aware corrections to significantly enhance resume quality.
- Automated the tool's deployment with **Python, Flask, and Docker**, enabling scalable use by over 5,000 users within the first three months post-launch.
- Enhanced user experience by integrating context-aware suggestions, leading to a 30% improvement in resume quality scores.

## TECHNICAL SKILLS

**Languages:** Python, C, Java, JavaScript, PyTorch, Docker, Kubernetes, Git, Jenkins, AWS.

**Web Technologies** **Databases:** HTML, CSS, React, Node.JS, Express.JS, REST APIs, MySQL, PostgreSQL..

## PROJECTS

### Cricket Shot Classification with Spectrum-Based Pose Estimation

May. 2024 - Aug. 2024

- Implemented a high-precision keypoint extraction algorithm for cricket shots, analyzing shot amplitude resulted in a streamlined workflow with 98% accuracy, reducing model training time by 30%.

### Spotify End-to-End Data Engineering Project

Aug. 2023 - Sept. 2023

- Built a data pipeline with **Spotify API**, **AWS S3**, and **AWS Lambda**, boosting processing efficiency by 40%. Designed analytic tables with **AWS Glue** and **Athena**, enhancing data accessibility and insights.

## TECHNICAL CERTIFICATIONS

- Certified in Digital Skills Readiness Program- Wipro, talentnext
- IBM Data Science Professional Certificate
- Certified as OCI 2021 Architect (Associate) and (Professional) by Oracle.

Jan. 2023

Aug. 2022

Jan. 2021