Sri Harsha TR

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EDUCATION

New York University | *New York, NY* Sep 2021 - May 2023

Master of Science | Computer Science | GPA: 3.926

- **Relevant Coursework:** Machine Learning, Big Data, Cloud Computing, Software Engineering
- **Graduate Admissions Assistant**
- **Payload Engineer -** Rogue Aerospace

SRM University AP | *Guntur, AP, India* Aug 2017 - Jun 2021

Bachelor of Technology | Computer Science and Engineering | GPA: 4 | Silver Medalist

- **Teaching Assistant** – Coached 100+ students in Python and Statistics
- **Research Assistant** – Led File system research team and collaborated with PhD students
- Presented on the role of technology in environmental preservation at World Student Environmental Network at Japan, 2018
- Winner of 2019 all-campus hackathon

TECHNICAL SKILLS

Programming Languages: Python, C, SQL

Operating Systems: Windows, Linux

Other Tools: AWS, GCP, Docker, BigQuery, Fivetran, Spark, Hadoop, Django, scikit-learn, Automation Anywhere, Looker

EXPERIENCE

Data Science, Analytics and Engineering Intern | *Blade Urban Air Mobility Inc., Manhattan, NY* Feb 2023 – May 2023

- Formulated and executed a plan to identify and resolve subscription misuse patterns, saving 10% of product revenue
- Restructured marketing spends based on 9-month revenue analysis to optimize media revenue generation using data analytics
- Pioneered the development of infrastructure working alongside Google resulting in 70% automation of marketing analytics
- Initiated creation of data dictionary for better communication among teams enhancing efficiency by 2 to 3 times

Cloud and Machine Learning Engineer Intern | *LOCOMeX Inc., Philadelphia, PA* May 2022 – Aug 2022

- Built an on-demand NLP pipeline using multi-stage builds in Docker for lambda with parent-child hierarchy for ease of scalability, upgrading and maintenance, reducing cost and manual effort by 90%
- Liased with Amazon to streamline the pipeline in the AWS production environment with CLI, DynamoDB, S3 and API-gateway
- Developed an OCR engine with a meaning extraction parser for the pipeline using AWS-Textract

Software Engineer Intern | *Anheuser-Busch InBev, Bangalore, India* Jun 2020 – Dec 2020

- Managed and architected project created to automate processing of 2500+ daily transactions
- Automated 95% of the processes with a bot designed using Automation Anywhere, Python, C#, and VBScript with timed triggers, database integration and a transaction mechanism to facilitate 1000+ SOAP API calls

PROJECTS

Health and Wellness using Sensor data (Python, AWS, React) Sep 2022 – Dec 2022

- Deployed a personalized goal tracking system with daily progress notifications, leading to a 40% rise in goal attainment
- Constructed a health reporting system with actionable insights, resulting in a 35% enhancement in health
- Employed image recognition technology and triggered notifications using wearable sensor data, resulting in a 20% decline in unhealthy food choices and a 60% satisfaction rate among users

Exploring the Double Descent Phenomenon (Python, Tensorflow, Keras, NLTK) Jan 2022– May 2022

- Experimented with neural network configurations varying 4 parameters: epochs, neurons, hidden layers, and data
- Observed a spike and fall indicating double descent in the setting with more data and 20 epochs of training

Ensemble Recommendation Systems at Scale (Spark, BERT, LSH) Jan 2022– May 2022

- Created a big data solution using SparkML and NLP to analyze 25M ratings by 30k users
- Vectorized and fed descriptions into a language transformer model for determining similar movies using nearest neighbors
- Implemented an ensemble model with collaborative and content-based filtering, resulting in 3% better recommendation

Food Redistributors and Restaurant Connect (Django, Heroku, Git, Github, Coveralls) Sep 2021 – Dec 2021

- Developed a platform with a blog to share information on food redistribution to aid in the reduction of food wastage
- Facilitated the option to schedule a 15-minute slot for giveaway of excess food and create public calendar events
- Improved platform performance with 50% faster processing time through migration to a remote data base and CI/CD