

TANWIN CHOWDARY GUNTURU

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Objective: Aiming for a position as a Data Professional to harness my expertise in data mining, statistical analysis, and predictive modeling. Dedicated to elevating data-driven decision-making and strategic initiatives, I'm poised to deliver impactful insights and sophisticated data solutions in a collaborative team setting.

EXPERIENCE

Data Analyst Intern, "JerseySTEM.org" (Florham Park, NJ) Mar 2024 - Present

- Integrated iCIMS with data tools to improve volunteer recruitment and onboarding.
- Created an automated data pipeline with SQL and Python, boosting insights into volunteer activities and program impact.
- Launched daily reporting on AppSheet for key updates and insights, streamlining project outcomes.
- Enhanced analytical project management and efficiency in the Data Analytics department using Jira and agile methods.

Tools: AppSheet, SQL, Python, PowerBI, Slack, Jira

Intern, "Learn-to-Code.live" (Vijayawada, India) Jul 2019 - Aug 2021

Facilitated Python workshops, providing guidance and support in hands-on coding sessions. Played a key role in data acquisition and storage, contributing to the enhancement of the coding curriculum.

EDUCATION

Master of Science, Artificial Intelligence, (*University at Buffalo, SUNY*) Aug2022 - Jan2024

Coursework: Machine Learning, Big Data Analytics, Reinforcement Learning, Deep Learning, Pattern Recognition, Robot Algorithms, Computer Vision.

Bachelor of Computer Science, (*SRM University, AP*) Jun2018 - May2022

Coursework: C, C++, python, java, Data Structures and Algorithms

SKILLS

Technical Proficiencies: Python, SQL, Java, JavaScript; **Data Libraries:** Pandas, NumPy, Scikit-learn; **Machine Learning:** TensorFlow, PyTorch; **Data Engineering:** Hadoop, Spark, ETL (NiFi, Talend), Cloud (AWS, Azure), Databases (SQL/NoSQL); **Visualization & BI:** Tableau, Power BI, Matplotlib, Seaborn; **Tools:** Git; **Soft Skills:** Communication, Problem-Solving, Teamwork, Time Management, Adaptability.

PROJECTS

- Engineered a **COVID-19 Data Analysis** solution using **Azure Data Factory**, integrating **Data Lake**, **SQL Database**, and **Databricks** for trend analysis. Automated ingestion and transformation workflows; utilized **Azure Monitor** for pipeline efficiency.
- Developed **CNN models** using **TensorFlow** and **PyTorch** for image analysis, focusing on object detection and image generation. Technologies used include **TensorFlow**, **PyTorch**, **OpenCV**, and **NumPy**.
- Applied **Bayes analysis**, **PCA**, and **LDA** using **PyTorch** and **Pandas** to enhance data-driven decision-making in **Pattern Recognition and Analysis**.
- Utilized **Hadoop** and **PySpark** for text analysis and optimized machine learning pipelines with **LGBM** for **credit card data analytics** in **Data Processing Optimization**.

CERTIFICATIONS AND ACHIEVEMENTS

- Achieved second place in the AWS Deep Racer competition at University at Buffalo, showcasing skills in ML.
- Earned certifications in Python from MIT Open Courseware CCX, Data Science using Python from APSDSC, and an Introduction to AI and ML.
- Spearheaded financial management as City Manager at Make A Difference (MAD) Initiative, Vijayawada (Aug 2018 - Jun 2022), implementing cost-cutting strategies and managing budgets, which honed my leadership and strategic financial planning skills.