ANANYA GOWNIVARI RAVINDRAREDDY

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Summary

I am a passionate and dedicated Master's student in Data Science with a strong background in advanced statistics, machine learning, and data visualization. I thrive on solving complex problems and transforming data into actionable insights. I am an effective communicator, skilled at presenting complex technical results in an easy-to-understand manner. I am seeking a **6-month Data Science internship** to apply my academic knowledge, gain hands-on experience, and contribute to meaningful, impactful projects.

Technical Skills

- **Programming :** Python, SQL
- **Tools :** Git, Airflow, Dataiku DSS, Docker, Grafana, Tableau, Power BI
- **Libraries :** Scikit-learn, Matplotlib, NumPy, Pandas , Seaborn, Keras
- **Frameworks:** TensorFlow, PyTorch, Streamlit, API
- **Database Management:** AWS, SQL, MongoDB
- **Coursework:** Data Analytics, DBMS, Machine Learning, Deep Learning, ETL, NLP

Experience

Trainee Engineer – Atos Global **(Aug 2022 - Oct 2023)**

- Identified and addressed server vulnerabilities, deployed **IIS certificates**, and installed Beat agents, enhancing system security and reliability.
- Configured forward and reverse proxies, performed server patching, and monitored **CMF tools** across Windows and Linux environments, ensuring optimal system performance.
- Reduced server vulnerabilities by **25%** through proactive monitoring and timely patching, improving overall system security and minimizing downtime.

Internship – Tequed labs **(Sept 2021)**

- Developed a **machine learning** model to predict wine quality based on physicochemical properties using Python.
- Implemented **data acquisition, visualization,** and modeling techniques, improving prediction accuracy of **80%** with **Random Forest**.
- Gained hands-on experience in data science, including feature selection and model evaluation, to solve real-world classification problems.

Projects

Stroke Risk Prediction and Rehabilitation Analysis **Source Code** **(Dec 2024 - Jan 2025)**

- Developed a predictive model for stroke risk assessment using **machine learning**, analyzing key health indicators for early detection.
- Conducted **rehabilitation analysis** to track patient recovery patterns, optimizing personalized treatment plans. Integrated data-driven insights to enhance clinical decision-making and improve patient outcomes.

COVID-19 Dashboard using Power BI **Source Code** **(Dec 2024)**

- Implemented a **snowflake schema** for COVID-19 analysis with fact and dimension tables.
- Developed interactive dashboards to visualize cases, deaths, and population-based metrics. Used **Power BI** and SQL for dynamic, scalable data reporting.

Loan Prediction Web Application and Monitoring **Source Code** **(Sept 2024)**

- Developed a robust Loan Prediction Web Application and Monitoring System to forecast loan approvals, visualize previous predictions, and monitor **data quality** and model performance.
- The system features functionalities for single, **batch predictions**, **data validation**, and real-time performance tracking. Achieved **85%** prediction accuracy using **cross-validation** on a dataset of **10,000** samples with a **machine learning pipeline.**

Education

Ecole Pour l'Informatique et les Techniques Avancees **Paris, France**
MSc. Data Science and Analytics (DSA) **(Feb 2024 – Jan 2025)**
Cambridge Institution of Technology **Bangalore , India**
B.E Computer Science **(Aug 2018 – Jul 2022)**

Languages

- Kannada (Native/C2)
- English(B2)
- French(A2)
- Hindi(B1)