# Virinchi Alahari

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## SUMMARY

Data Analyst with 3+ years of experience in web analytics, specializing in mobile app analytics. Proven ability to derive actionable insights from data, communicate effectively, and manage multiple projects simultaneously. Seeking a role where I can use my skills and experience to make a positive impact on a company's digital ecosystem.

## EDUCATION

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| **Master of Science in Business Analytics** *University of Massachusetts Amherst - Isenberg School of Management* | 2023 - 2024 Amherst, MA |

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| **Bachelor of Technology in Electronics & Communication Engineering** *CVR College of Engineering* | 2017 - 2021 Hyderabad, India |

## EXPERIENCE

Product Engineer | Temenos AG

July 2021 – August 2023

* Optimized operational efficiency by 87% by automating manual microservice updates into a pipeline, reducing time from 32 hours to 4 hours per release.
* Achieved 75% savings on cloud infrastructure costs by automating a cost-effective testing environment, reducing daily expenses from 1600 to 400 Euros and implemented Disaster Recovery plans
* Deployed Azure function apps, DB servers, Namespaces, AKS Clusters, Virtual Machines, Microservices using ARM templates and ADO Pipelines.

## SKILLS

Programming Languages: Python, SQL, R, Java, C++

Data Skills: ETL/ELT, Azure, Data mining, Data analysis, Data visualization, Data cleaning, Statistical modeling, Data management

Tools: Excel, Tableau, Power BI, Hadoop, Spark, Jupyter Notebook, TensorFlow, PyTorch

## ACADEMIC PROJECTS

Flight Delay Prediction | Python ML Models

* Boosted multiclass ensemble model accuracy from 60% to 98% for predicting flight delays, cancellations, and on-time arrivals.
* Performed predictive analysis using polynomial regression, increasing R-squared from 0.3 to 0.82 and reducing MAPE to 0.4.

Sonar (Rocks vs. Mines) | Python Regression Models

* Analyzed SONAR data to identify determining factors for rock and mine detection.
* Achieved R-squared value of 0.85 through feature engineering techniques.

Social Distancing Monitoring | Python OpenCV

* Developed a Deep Learning Model with YOLOv3, TensorFlow, and OpenCV for social distancing monitoring.
* Utilized YOLO to optimize runtime for live inferencing without compromising accuracy.
* Monitored social distancing using Euclidean distance to count alerts for individuals closer than 50 meters.

## AWARDS & CERTIFICATIONS

* Awarded “Temenos Infinity Star” for contributions towards release time optimization and infrastructure cost savings.
* Received Technology Entrepreneurship Programme 2.0 Certification from Indian School of Business