

ALAHARI VIRINCHI

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EDUCATION

Master of Science in Business Analytics

University of Massachusetts Amherst - Isenberg School of Management

2023 - 2024

Amherst, MA

Bachelor of Technology in Electronics & Communication Engineering

CVR College of Engineering

2017 - 2021

Hyderabad, India

EXPERIENCE

Product Engineer | Temenos AG

July 2021 – August 2023

- Significantly enhanced operational efficiency by automating the manual Microservice deployment update process, reducing the time required from 32 hours to a mere 4 hours for each release, i.e., **optimized release time by 87%**.
- Designed and automated a fully functioning cost-effective testing environment deployment, **saving the company 75%** on cloud infrastructure, from 1600 to 400 Euro/day.
- Assist in the Infinity product & Microservices deployment process working with the Product Management group to understand issues, develop root cause analysis and development of enhancements/fixes.
- Built and deployed Azure function apps, DB Servers, Namespaces, AKS Cluster, Virtual Machines, Microservices, and other Azure resources using ARM templates and ADO Pipelines.

ENTREPRENEURIAL EXPERIENCE

Founding Member, Volunteer | Digital Equity Foundation (NGO)

December 2021 – September 2023

- Launched an internship campaign, attracting 1,500 applications from colleges in remote villages, showcasing broad outreach.
- Executed multimedia campaigns resulting in a **30% increase in engagement** and awareness of the NGO's mission and initiatives.
- Utilized data-driven design strategies, contributing to a 25% improvement in the effectiveness of visual communication materials.
- Designed, developed, and maintained the organization's website as well as social media pages from the ground up.

SKILLS

- **Programming Languages:** Python (NumPy, Pandas, Seaborn, scikit-learn, matplotlib), R, Java, SQL (DML, DDL)
- **Tools:** Advanced MS Excel, Tableau, Power BI, RStudio, Microsoft Azure, Adobe Creative Suite, MS Office 365
- **Data Management:** Machine Learning Algorithms, Business Intelligence, Project Management, Data Mining, Web Scraping, Market Research, Web Analytics, Digital Marketing, Leadership, Data Visualization, Predictive Analysis, Linear regression, and Logistic regression.

ACADEMIC PROJECTS

Sonar (Rocks vs. Mines) | Python & Regression Models

- Conducted exploratory data analysis on SONAR data, examining 61 determining factors for rock and mine detection.
- Utilized ML algorithms including decision trees, linear regression, and logistic regression to develop a predictive model.
- Enhanced model through feature engineering techniques like scaling and selection, achieving an R-squared value of 0.85.

Social Distancing Monitoring | Python & OpenCV

- Developed a Deep Learning Model with YOLOv3 for Social Distancing monitoring. Utilizing YOLO optimizes runtime, maximizing Frames Per Second (FPS) in live inferencing without compromising accuracy significantly.
- Calculating the distance between the people on the screen using Euclidean distance and give total number of social distancing alerts if they are closer than 50 meters.

Humanoid Robot | Python & OpenCV

- Developed a 17 DOF humanoid robot with OpenCV image processing for both autonomous and user-commanded operations, utilizing a Raspberry Pi along with an Arduino Bluetooth/USB Servo Controller.

Pokémon EDA | Excel & Data Visualization

- Leveraged Advanced Excel techniques, including pivot tables, **VLOOKUP**, and **SUMIFS**, to analyze various parameters such as attacks, defense, and speed of Pokémon characters and populated a comprehensive Pokédex.
- Analyzed trends focusing on the behavior of legendary Pokémon across different seasons to identify patterns and correlations.

CERTIFICATIONS

- Technology Entrepreneurship Programme (TEP 2.0), a year-long semi-virtual program offered by the **Indian School of Business (ISB)**. This program enhanced my soft skills and fostered my entrepreneurial vision in product development.
- Achieved a 100% score in Data Manipulation with Pandas and Supervised Learning with Scikit-learn through DataCamp
- **The Complete Digital Marketing Course** by Rob Percival on Udemy. This course helped me understand Digital Marketing Strategies, **Social Media Marketing**, **SEO**, Market Research, and analytics.