VENKATA RAMYA VARDINENI (Can start from March 4, 2024)

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EDUCATION

Sam Houston State University, Huntsville — December 2023
Master of Science, Computing and Data Science — **GPA 3.65**

Koneru Lakshmaiah Deemed University, India — May 2022
Bachelor of Technology, Computer Science and Engineering — **GPA 3.56**

SKILLS & CERTIFICATIONS

***Technical Skills*:** Python, R, Java, C, JavaScript, SQL, HTML, CSS, Node JS, React JS, Machine Learning, Deep Learning, Data Visualization, Data Mining, RPA, ServiceNow, Software Development Lifecycle Process, Postman, Tableau, MATLAB, Sorting, Operating Systems.
***Certifications*:** Certified System Administrator (ServiceNow), Certified Essentials RPA Professional (Automation Anywhere), Certified Advanced RPA Professional (Automation Anywhere).

PROFESSIONAL EXPERIENCE

Sam Houston State University, Huntsville, TX — September 2022 – December 2023
Teaching Assistant

- Demonstrated a commitment to educational excellence through proactive teaching assistance, evidenced by a 20% decrease in student withdrawal rates.
- Achieved an impressive 95% doubt resolution rate among students, as measured by post-assistance surveys.
- Facilitated learning in Programming Fundamentals, Digital System Design, and Database Management courses and made a substantial impact on student success, contributing to a 10% increase in overall course pass rates.

Agile Solutions (Empower XYZ), India — May 2021 – July 2022
Web Developer Intern

- Played a crucial role in development and creation of 5 new components for the Tax Platform.
- Studied user requirements, conducted a comprehensive analysis that resulted in a 20% reduction in project timeline uncertainties.
- Created features such as data input forms, visualization tools, reporting modules, and other elements crucial for recording tax details effectively, leading to a 25% improvement in data recording efficiency.
- Utilized SAP HANA Studio and SAP Cloud Platform for interface development, achieved a 30% improvement in platform responsiveness and user satisfaction.

ACADEMIC PROJECT EXPERIENCE

Understanding Autism Spectrum Disorder

- Developed a custom DenseNet CNN from scratch with 47 layers to train an image dataset.
- Demonstrated notable performance improvement, achieving a 15% increase in classification accuracy compared to baseline models.
- Created a standard scaler pipeline for KNN and SVM optimization on a separate dataset containing 10 features.
- Achieved exceptional results on the separate dataset, with the optimized KNN and SVM pipeline exhibiting a 25% improvement in predictive accuracy compared to baseline models.

Human Pose Detection

- Compiled 2 distinct datasets: one with yoga pose images and another comprising the Yoga-82 dataset.
- Leveraged a range of machine learning algorithms, including KNN, Random Forest, SVM, Bagging, and Boosting.
- Achieved a 20% improvement in classification accuracy compared to using individual algorithms, showcasing the effectiveness of the ensemble method.
- The confusion matrix and accuracy are the evaluation metrics and achieved an overall Accuracy of 99%.