

# Shreyas Rajapur Sanjay

✉ iamshrey26@gmail.com ☎ 8179364814 📍 Texas, USA 🌐 <https://www.linkedin.com/in/shreyas-r-s/>


## EDUCATION

<b>Master's in Data Science</b> <i>University of Texas at Arlington</i>	06/2026
<b>Bachelor's of Engineering in Artificial Intelligence and Machine Learning</b> <i>Bangalore Institute of Technology</i> Secured a GPA of 4.0	05/2024

## PROFESSIONAL EXPERIENCE

<b>Research Intern</b> <i>Indian Institute of Science</i> Conducted benchmarking of AWS Lambda against OpenFaaS, OpenLambda, and Azure across 1000+ machine learning workloads, achieving 15% faster response times but identifying a 20% longer cold start than OpenLambda. • Skills Gained - Cloud Computing, Research Experience , Experiments , R&D , Machine Learning , Python, SAS, Mathematics, Presentation , Data Analysis , marketing , Interpret Data , Technical Reports , powerpoint workflow .	02/2024 – 05/2024 Bengaluru, India
<b>Machine Learning Intern</b> <i>Princeton Smart Engineers</i> Data science and Analytics , Statistics , EDA, Regression and Classification on Demographic patterns of suicide in west Germany and achieved 89.4% accuracy • Skills Gained - Machine Learning Algorithms , Feature Engineering , Visualization , Data Science, MIS , Python .	07/2023 – 09/2023 Bengaluru, India

## PUBLICATIONS

<b>Interpretable Reinforcement Learning: Bridging the gap between Performance and Transparency</b>  <i>IEEE</i> Explored five Inverse Reinforcement Learning (IRL) methods to address the black-box issue in Reinforcement Learning (RL) and conducted a comparative analysis to identify the most efficient approach..	23/05/2024
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## PROJECTS

<b>Subletting Risk Analysis Model</b> Developed a subletting risk analysis model using XGBoost, achieving 98% accuracy in predicting risk percentages for new users based on key parameters like lease status, time spent in the apartment, and payment history. • Skills gained - Visualization , Data science , Feature Engineering , Machine Learning, Database technologies , Python	10/2024
<b>Privacy Protected, Adaptive &amp; Federated Ed-Tech Learning Platform</b> Developed an EdTech platform using Federated Learning and Homomorphic Encryption, reducing course dropout rates by 60% and enhancing privacy protection by 75%. • Skills Gained - SQL , Federated Learning, Data Science , Machine Learning , Figma , Reinforcement Learning .	05/2024
<b>Tuberculosis Detection System using CXR images</b> Leveraged digital image processing techniques on chest X-ray (CXR) images to train a machine learning model for Tuberculosis detection, achieving 83% accuracy. • Skills Gained - Machine Learning, Algorithms , Data Science, Digital Image Processing , Computer Vision .	05/2023
<b>Bitcoin Price Prediction Model</b> Utilized machine learning techniques and the XGBoost algorithm with time series estimation to achieve 82.3% accuracy in price prediction. • Skills Gained - Data Science, Visualization, Financial Data , Data Science, Exploratory Data Analysis , Algorithms.	12/2022

## SKILLS

<b>Python, R , Java , C++, AI , C# , Perl</b> — Expert	<b>Machine Learning, Applied Math , Statistical Analysis , Computer Science</b> — Expert
<b>Data Visualization and Analytical Skills</b> — Proficient Matplotlib, Seaborn ,Plotly, Data Preparation and Data Cleaning	<b>Data Science , Neural Networks , Deep Learning , NLP , Software Engineering</b> — Expert Tensorflow , Sci-kit learn , NumPy, Pandas, NLP, PyTorch, Data Structure
<b>Complex Predictive Models, Statistical Techniques , Sales Organization , Business metrics</b> — Competent Product Development , Scalability, Performance Indicators, Agile , Automation , process Excellence , Software Design , Scripting language , Prototyping .	<b>Soft Skills</b> Flexible , Attention to detail , Committed , Communication , Leadership , Ethusiasm , Accountability and problem-solving skills, Innovative , organization skills , Collaboration , Critical Thinking , Confident .
<b>Analyzing Information , Data Mining , Matlab</b> — Proficient Information systems , data Processing systems , predictive Modeling	<b>SQL , Data Warehousing , Big Data , Operating Systems</b> — Proficient

## CERTIFICATES

<b>Introduction to Data Science</b> Infosys	<b>Data Science Real World Projects in Python</b> Udemy	<b>Introduction to Artificial Intelligence</b> Infosys
<b>Introduction to Deep Learning</b> Infosys	<b>Machine Learning with Tensor-flow</b> Infosys	<b>Machine Learning with Sci-kit Learn</b> Infosys