



Girish Kumar Pediredla

Engineer

Experienced Automation Testing with a strong track record in improving efficiency and scalability of broadband products at Radisys India Pvt Ltd. Skilled in Kubernetes, Robot Framework, Go, C/C++, Python, and SQL. Proven ability to streamline test processes and reduce defects through effective collaboration with development teams. Proficient in agile, CI/CD, and complex deployments. Currently, exploring Artificial Intelligence (AI), Machine Learning (ML), and LLMs.

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WORK EXPERIENCE

Automation Engineer - Broadband Product (Access 4.0, A4)

Radisys India Pvt Ltd

07/2023 - Present

Bangalore, India

Company focused on providing broadband solutions and automation services.

Achievements/Tasks

- Conducted automated testing for Access 4.0, a broadband product, enhancing efficiency with Kubernetes, Robot Framework, and Go.
- Streamlined testing processes**, reducing deployment time by 30% and improving scalability across complex CI/CD environments.
- Led agile sprint testing efforts**, providing timely feedback and optimizing testing strategies, resulting in a 20% reduction in post-release issues.
- Collaborated with development teams** to identify and resolve critical software defects before release, decreasing bug rates by 40% and enhancing overall product stability.

PERSONAL PROJECTS

Deep Reinforcement Learning for Trading (11/2022 - 03/2023)

- Developed and trained a deep reinforcement learning model to autonomously analyze vast amounts of historical market data, optimizing trading strategies and decision-making processes. Achieved significant improvements in trade accuracy and profitability by leveraging advanced neural network architectures and feature engineering techniques. Demonstrated strong expertise in machine learning, algorithmic trading, quantitative finance, and data preprocessing. Implemented robust back testing to validate model performance and risk management strategies.

Neural Network-Based Automatic Image Captioning (09/2022 - 11/2022)

- Engineered a highly accurate image captioning system using deep neural networks, integrating convolutional neural networks (CNNs) for feature extraction and recurrent neural networks (RNNs) with long short-term memory (LSTM) units for natural language generation. Enhanced model performance through data augmentation, hyperparameter tuning, and transfer learning. Demonstrated expertise in deep learning, computer vision, sequence modeling, and model optimization, achieving high-quality, contextually relevant captions.

EDUCATION

Bachelor of Technology: Electronics and Communication Engineering

National Institute of Technology Calicut, Kerala

2019 - 2023

CGPA: 8.45

Senior Secondary: Science

Sri Chaitanya Jr. College, Krishna District, Andhra Pradesh

2017 - 2019

CGPA: 9.94

SKILLS

C

C++

Python

Go

SQL

HTML

MATLAB

Kubernetes

CI/CD

AI

Computer Networking

Agile methodology familiarity

Machine Learning

Deep Learning

Generative AI

ACHIEVEMENTS

Contribution to more than 5 Milestone Release in the Company

Played a key role in testing and delivering more than 100 major releases, ensuring timely deployment and adherence to quality standards at Radisys Company.

Supported the development and execution of key release strategies, contributing to a 30% improvement in overall project delivery timelines.

CERTIFICATES

Python Certification, Coursera

Machine Learning Specialization, Coursera

HTML Certification, Coursera

Programming with Google Go, Coursera

SOFT SKILLS

Critical Thinking

Decision-making

Multitasking

LANGUAGES

English

Full Professional Proficiency

Telugu

Full Professional Proficiency

Hindi

Limited Working Proficiency

INTERESTS

Reading Books

Cricket

Volleyball