NAGINENI RISHITHA

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OBJECTIVE

- Motivated and detail-oriented computer Engineering student seeking internship opportunities to apply academic knowledge and programming skills in a dynamic and challenging environment.

EDUCATION

- **California State University Northridge – Northridge, California**   **present**
  Master Science in Computer Engineering
  Specialization in Machine learning and data Mining
- **koneru lakshmaiah University – Vijayawada, Andhra Pradesh**
  Bachelor of Technology in Electronics and Communication, **CGPA: 8.5**   **MAY 2020**
  Specialization in Signal Processing.

RELEVANT EXPERIENCE

CGI Inc(Canadian Global Information) -Hyderabad, India   **SEP 2020 – JUL 2023**
Software engineering

Worked in Health Care and Insurance Sector - **CIGNA**

- Collaborated with Product Owner and Design teams on requirements and understand desired application capabilities and impacts.
- Completed development, design, implementation, architecture design specifications, and maintenance activities.
- Worked within and across Agile teams to craft and support technical solutions in UniData environment as needed.
- Recommended development options, including design, build and test.
- Conducted testing, including functionally, technical limitations and security.
- Resolved technical problems discovered by testers and internal clients.
- Respond to and resolves technical issues in a timely manner.

SOUTH CENTRAL RAILWAYS – Vijayawada, India   **May 2018 – Jun 2018**
CONTROLING THE SIGNAL AND TICKETING SYSTEM (control panel)

- Tracked and monitored the movement of freight trains wagons and locomotives.
- Complete management module for freight trains handing the billing and revenue collections.
- Tracked the ticketing and reservation system for railway passenger transport completes the presale and sale management.

Student Assistant – K L University, India   **Jan 2017- May 2019**
Electronics and communication Engineering

- Contributed to positive, educational setting by delivering gentle discipline and promoting student success.
- Assisted teaches with lesson preparation and curriculum implementation.
- Performed wide range of simultaneous job tasks to support professor's academic, research and operational needs.
- Promoted student learning by providing individualized and small group support to reinforce classroom topics.

SKILLS

Programming and Scripting: Proficient in Python, C, C++, Unidata, mainframes.

Technical Skills:

- Solid Understanding of Data Structures and Algorithms
- Object Oriented Programming
- Familiarity with relational databases and optimization.
- Specialization in Signal Processing stream includes Artificial neural networks, Machine learning and pattern recognition.

Problem Solving:

- Strong troubleshooting skills on distributed architecture
- Documentation and attention to detail

PUBLICATIONS AND INTERSHIPS

A novel approach of MRI-CT Image fusion using CWT for finding Disease location

- This research proposes a fusion technique using Coverlet wavelet transform to combine MRI and CT images for disease location estimation.
- providing improved outcomes compared to existing methods in medical image processing.

PROJECTS UNDERTAKEN

OBJECT DETECTION USING TENSERFLOW

- Implemented an advanced object detection system using TensorFlow, showcasing expertise in deep learning and computer vision.
- Successfully trained and fine-tuned models, achieving high accuracy in identifying and localizing objects within diverse datasets.
- Demonstrated problem-solving skills through optimization techniques, ensuring the scalability and efficiency of the solution.

DUAL TONE MULTI FREQUENCY

- Developed and implemented a robust DTMF signal processing system, demonstrating a strong understanding of telecommunication protocols.
- Applied digital signal processing techniques to accurately detect and decode dual-tone signals used in telephone systems.
- Achieved high precision in decoding DTMF tones, ensuring reliable communication and signaling in telephony applications.

CERTIFICATIONS

IBM Applied AI – Coursera

- Learned the firm understanding of AI, its applications, and its use cases.
- Became familiar with IBM Watson AI services and APIs.
- Specialized in practical Python skills to work with AI and have used IBM Watson AI services and APIs to create smart applications, Computer vision, Watson Visual Recognition and OpenCV.
- used them for image processing and creating custom image classifiers.

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

- Attended Quad Copter Development workshop by IIT Roorkee at KL University during 17th and 18th august 2017.
- Part of Samyak-Fest conducted by KL University and also part of Zortriya-Fest conducted by ECE dept.