RAGHAVASAI KOWLASKER

Omaha, NE - +1(531)389-5243 - kowlaskerraghavasai@gmail.com - LinkedIn - GitHub

EDUCATION

The University of Nebraska, Omaha **Jan 2021- Dec 2022**
Master of Science, Management Information Systems
KLE Technological University, India **Aug 2019- May 2019**
Bachelor of Engineering, Computer Science & Engineering

TECHNICAL SKILLS

Programming Languages: C#,Python, JavaScript, Visual Basics
Framework & Database: Net Core, Django, MS SQL Server, Vue3, Node js, Oracle Data Modeler, Azure Data Studio.
Cloud & Tools: AWS EC2 instance, S3 Bucket, Clustering & Hadoop, Google Cloud Platform, Jupyter Notebook, Git, Postman,Pandas, Azure DevOps, Jira, Tableau.
IDE: PyCharm, Visual Studio, VS Code.

PROFESSIONAL EXPERIENCE

Northern Natural Gas, Omaha, NE:Software Engineer 1 **Jul 2022- Present**

- Architected, designed, and developed a worker service to replace robotic process automation (RPA) and manual processes. This service fetches data from multiple APIs, inserts data via PL/SQL procedures, and ensures smooth operation. Runs hourly on Windows server, picks up files from SMTP, and processes them to maintain database accuracy and efficiency.
- Improved the visibility of the Pipeline Historical Data report by including directional details, reducing dependency on other applications by 50%, and enhancing data observability. Built a consolidated summary for 6000+ miles of gas pipelines, boosting performance by 65% and aiding field technicians in identifying defects.
- Developed a feature for the corrosion compliance records application, transforming manual data entry into an automated process, minimizing errors, and preventing pipeline malfunctions.
- Enhanced RESTful web service APIs, reducing database dependency and latency by 70%. Refactored gas pipeline flow and segmentation to meet client requirements, enhancing ArcGIS tool performance by 60%.
- Worked on on-call production support for 15+ applications in a six-week rotation with the team, ensuring smooth operations and quick issue resolution.

The University of Nebraska, Omaha, NE: Graduate Research Assistant **Aug 2021- Jul 2022**

- Derived valuable insights using Jupyter Notebook in Augur Labs, improving client code health metrics and reducing potential risks by 75%. Optimized API endpoints to analyze and predict health metric activity in a single notebook.
- Designed and implemented a chatbot in the healthcare domain to enhance nutrition literacy for pregnant women, integrating NLP using Google Dialogflow and hosting on GCP.

Accenture, Pune, India: Associate Application Developer **Jul 2019- Oct 2020**

- Optimized project performance by normalizing database models to 3NF, reducing query response time by 30%. Enhanced project scalability by configuring Redis Cluster on AWS EC2, increasing system capacity by 50%.
- Transformed user requirements into 50+ user stories and tickets using Agile methodologies and CI with Azure DevOps. Developed front-end using Vue3, HTML, and JavaScript, improving user engagement by 20%.

ACADEMIC PROJECTS

Marked By Covid- Memorial Matrix

- Architected and streamlined the organization's website with a team of 9 using Python, Vue3, Django, and PostgreSQL. Recognized as a remembrance platform for COVID-19 victims.
- Constructed a Google Maps API solution for memorial monuments, enabling users to submit, search, and acquire information, and offering donation options.

Maintenance System for Mercy Affordable Properties

- Developed a web-based platform using Python, Django, and PostgreSQL for managing repair requests in apartment complexes, hosted on Heroku for accessibility and seamless integration.

Product Recommendation Systems

- Created a custom online store with 10 product categories and over 40 items, using content-based filtering and K-Nearest Neighbor algorithm to provide personalized recommendations.