RAGHUNATH KUNIGIRI

+1 314 224 6991 | **Raghunath.kunigiri@slu.edu** | **GitHub** | **LinkedIn** | **Portfolio**

Education

Master's in Computer Science   **2023 - 2025**
Saint Louis University, St. Louis, MO, USA

Bachelor's in computer science   **2018 - 2022**
Bharath University, Chennai, TN, INDIA

Skills: -

Technical Skills:
- **Programming**: Python (Flask, Pandas, NumPy), JavaScript, C #, HTML, CSS
- **Data Analysis & Visualization**: Excel (advanced), Tableau, Google sheets
- **Databases:** MYSQL, MongoDB, SQL
- **Platforms & Tools:** Unity, Salesforce, Visual Studio Code, GitHub
- **Cloud & DevOps:** Amazon web services, Google cloud, Azure, Kubernetes, Docker
- **Cloud Services:** CI/CD, EC2, Lambda, S3, RDS, VPC

Experience

Game Development PC Developer Intern | Resilience, Inc.,   Aug 2024 - Current

- Designed a web based educational game using Unity and C#, leading the development of 3 out of 5 core gameplay mechanics.
- Optimized player functionality scripts using efficient C# algorithms, reducing game load times by 20%.
- Integrated game assets with AWS S3, ensuring scalable and reliable cloud based asset storage.
- Led 60% of the overall development efforts within a 5-member team, contributing extensively to core mechanics, backend logic, and deployment.

HIPAA Policy Documentation Intern | Saint Louis University   Feb - April - 2024

- Assisted in researching and implementing strategies to secure patient data in compliance with HIPAA, achieving 99.99% data security.
- Produced comprehensive safety documentation detailing measures to safeguard patient information.
- Contributed 35% in creating dashboards using Tableau and collaborated with Google Colab and Google Sheets for data visualizations.

Projects

Health Care Compass | Hospital Recommendation

- Developed a website using HTML, CSS, and JavaScript to recommend budget hospitals based on treatment type, location, and budget.
- Compared 10+ hospitals providing similar treatments and visualizing the best options using pie charts.
- Created a top-20 hospital list to assist patients in quickly choosing the most suitable facility.

Personal Budget Management and Savings Forecasting System

- Designed and implemented a full-stack web application using Python (Flask) and MongoDB to manage finances, set budgets, and forecast savings.
- With 40% contribution added a data visualization features to generate comprehensive financial reports and improve user decision making.
- With addition of secured chat functionality between users and for sensor words we imported library called profanity.
- Ensured data security and cross device compatibility, providing a 100% user satisfaction rate.

Material Donor Mutual Assist

- Developed a web application using JavaScript, HTML, and CSS to facilitate material donations and connect donors with recipients.
- Implemented user registration, donation listings, and matching algorithms to streamline the donation process.
- Collaborated using Git for version control and effective project management.

Katamari Damacy (Web-Game)

- Developed a web based game using JavaScript (Three.js) and WebGL API, featuring interactive elements such as collision detection and background music.
- Enhanced user engagement by integrating immersive gameplay features, including sound effects.
- Managed the project lifecycle using Git, ensuring timely delivery and quality results.

Certificates & Badges: -

- **Amazon** Certified Cloud Practitioner - Amazon Web Services (AWS)
- **AWS** Cloud Practitioner Badge - Amazon Web Services (AWS)
- **Goldman** Sachs Engineering Virtual Program - Forage