RAGHUNATH KUNIGIRI

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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#, developing 3/5 core mechanics.
- Optimized player functionality scripts, reducing load times by 20% through efficient C# code.
- Integrated game assets with AWS S3 for scalable storage
- As a developer with 5 members I contributed 60% of the work to the project.

HIPAA Policy Documentation Intern | Saint Louis University   Feb - April - 2024
- Worked as research assistance on Health Insurance Portability and Accountability on how to make the data more secure from the hackers.
- After months of research, we created a document with safety measures to take on securing the patients data.
- As a team member my contribution is 35% in creating dashboards using tableau. I even used Google Colab and Google sheets for other Data visualizations.

Projects

Health Care Compass | Hospital Recommendation
- As a Developer I Designed a website for Budget hospital recommendation using HTML, CSS and Java Script within required locations.
- In this we can find hospitals with treatments they provide and within our budget range.
- I used Synthia data on my website for the hospital names and cost for treatment.
- We can compare the hospitals with more than 10 which provide treatment for the same.
- A pie chart gives a clear idea which hospital is best among the selected ones.
- The top 10 hospitals list makes the patients choose the best one quickly.

Personal Budget Management and Savings Forecasting System
- As a full stack developer, I designed a web application using Python (Flask) and MongoDB to help users manage finances, set budgets, and forecast savings.
- Implemented data visualization features to generate comprehensive financial reports, improving user decision making. As a team member my contribution is 40%.
- Ensured data security and cross device compatibility, delivering seamless user experience.
- With addition of secured chat functionality between users and for sensor words we used library called profanity.

Material Donor Mutual Assist
- Created 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.
- Utilized Git for version control and team collaboration, ensuring efficient project management.

Katamari Damacy (Web Game)

- Developed a Web-based game using JavaScript (Three.js) and WebGL API, featuring immersive gameplay and sound effects.
- Designed interactive elements, including collision detection and background music, to enhance user engagement.
- Managed the project lifecycle using Git, ensuring timely delivery and high-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