RAGHUNATH KUNIGIRI

+1 314 224 6991 | **Gmail** | **GitHub** | **LinkedIn** | **Portfolio**

Experience :

Unity Game Developer | Resilience, Inc.,   2024 - Current
- Designed a web based educational game using **Unity** and **C#,** leading the development of **3/5** 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. And **GIT** for Version control.

Data Analyst | Saint Louis University   2023 - 2024
- Assisted in researching and implementing strategies to secure patient data in compliance with **HIPAA,** achieving **99.99%** data security.
- Authored comprehensive technical documentation outlining data protection strategies, encryption standards, and compliance workflows.
- Produced comprehensive safety documentation detailing measures to safeguard patient information.
- This contributed **35%** in creating dashboards using **Tableau** and collaborated with **Google Colab** and **Google Sheets** for data visualizations.

Business Data Analyst | Amazon   2022 -2023
- Analyzed huge datasets using **Python** and **Excel** to enhance quality assurance workflows and ensure data accuracy.
- Collaborated with backend developers to build internal automation scripts and integrated **APIs** such as **Salesforce** and Bing Maps for data enrichment.
- Utilized **AWS S3** for scalable storage of structured data and supported the creation of secure, centralized data repos.
- Developed interactive **Tableau** dashboards to **visualize** performance metrics, resulting in a **15%** increase in task throughput and decision making efficiency.

Projects

AI Sources | One stop solution for all your AI needs   Link
- Developed a full stack AI directory platform using **MongoDB**, **Node.js**, **Express.js**.
- Created an admin dashboard with real time analytics, import/export, and bulk actions using **JavaScript**.
- Integrated **Gemini LLM** for AI tool recommendations; deployed with AWS **EC2** and **NGINX** for Reverse Proxy also Vite + animation libraries for dynamic **UI**.

Health Care Compass | Hospital Recommendation   Link
- Developed a website using **HTML**, **CSS**, and **JavaScript** to recommend budget hospitals based on treatment type, location, and budget.
- Compared to 10+ hospitals providing similar treatments and visualizing the best options using **Matplotlib**.

Personal Budget Management and Savings Forecasting System   gitlink
- 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 data visualization features to generate comprehensive financial reports and improve user decision making. Supported vulnerability management initiatives by identifying and documenting potential security gaps in data workflows.

Material Donor Mutual Assist   gitlink
- Developed a web application using **JavaScript**, **HTML**, and **CSS** to for donations and connect donors with recipients.
- Implemented user registration, donation listings, and matching **algorithms** to streamline the donation process.

Education

Master's in Computer Science
Saint Louis University, St. Louis, MO, USA
Bachelor's in Computer Science
Bharath University, Chennai, India

Skills

- **Languages & Frameworks:** Python (Flask, Pandas, NumPy, Fast API), JavaScript (WebGL, Three.js, Node.js, React.js), C #, C++, HTML, CSS, Object Oriented Programming
- **Data & Visualization**: MYSQL, MongoDB, SQL, Excel (advanced), Tableau, Google sheets, Data Cleaning / Analysis
- **Designing Tools & Platforms:** Unity, Salesforce, GitHub, Visual Studio Code, Figma, Framer, Canva
- **Cloud & DevOps:** Amazon web services, Google cloud, Azure, Kubernetes, Docker, Terraform
- **Cybersecurity & Cloud Services:** CI/CD, EC2, Lambda, RDS, EKS, S3, VPC design, IAM policies, cloud encryption
- **Software Engineering Practices**: Object Oriented Programming, Multithreaded Programming, GUI Development, Unit Testing, Software Verification, Agile Methodology, Design Patterns, Shell Scripting

Certificates & Badges: -
- **Amazon** Certified **Cloud** Practitioner - Amazon Web Services (AWS)
- **AWS Cloud** Practitioner Badge - Amazon Web Services (AWS)
- **AWS** Generative **AI** Badge - Amazon Web Services (AWS)
- **Goldman** Sachs Engineering Virtual Program - Forage