

Sharvinee Ragnatha Rao

EDUCATION

University of Texas Southwestern Medical Center <i>Master of Science in Health Informatics</i> Relevant Coursework: Scientific Literature Review, Clinical Decision Support, Project Management, Health Information Technology	September 2024 - May 2026 <i>Dallas, Texas</i>
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Universiti Malaya <i>Bachelor of Medicine and Bachelor of Surgery (MBBS) (MD)</i>	September 2015 – September 2020 <i>Kuala Lumpur, Malaysia</i>
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SKILLS

Technical Skills: Web Development (HTML, CSS, JavaScript), Python, MySQL, MariaDB, Power BI, MS Excel, Git, Epic, Agile, ISC2 Certified in Cybersecurity, OpenAI, LangChain
Cloud Services: AWS – EC2, IAM, Lambda, S3
Soft Skills: Independent, Collaborative, Organized, Punctual, Attention to detail

PROFESSIONAL EXPERIENCE

Sungai Udang Health Clinic, Ministry of Health <i>Family Medicine Resident</i> <ul style="list-style-type: none">Managed and coordinated a cervical cancer screening project, including planning, resource allocation, and ensuring timely execution to provide essential health services to rural communities, improving access to preventive careEngaged in daily patient consultations optimizing treatment plans for acute and chronic diseases	July 2023 – July 2024 <i>Malacca, Malaysia</i>
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Hospital Tengku Ampuan Rahimah, Ministry of Health <i>Wound Care Unit Assistant Coordinator</i> <ul style="list-style-type: none">Participated in process design and cross-departmental collaboration to develop clinical workflows, enhancing operational efficiency and ensuring adherence to clinical standardsConducted periodic reviews of inpatient files to assess compliance with wound care recommendations, providing feedback to improve documentation and treatment practicesCreated an automated payment receipt generator using Microsoft Excel macros streamlining the payment receipt process for wound care workshop attendees	June 2021 – July 2023 <i>Klang, Malaysia</i>
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PROJECTS (GitHub: <https://github.com/sharvinee>)

AI Clinic Assistant

- Built an AI-powered clinic assistant web application using FastAPI, Streamlit, and LangChain for real-time, context-aware patient interactions
- Utilized ChromaDB for document storage and OpenAI models for language processing to enhance information retrieval and response accuracy

My Family Medicine CPG bot

- Developed a scalable chatbot using Amazon Bedrock for licensed healthcare providers
- Integrated Amazon S3 for document storage and FAISS for efficient vector-based data retrieval, delivering concise, evidence-based family medicine guidelines

Professional Portfolio

- Designed and developed a personal portfolio website using HTML, CSS, and JavaScript, showcasing professional experiences, projects, skills and leadership.

LEADERSHIP

President of Health Informatics Student Leadership Association (HISLA), UTSW Student Advisory Council Member, UTSW Sustainability Committee SHP member