

VENKAT RAMSHESH (LinkedIn)

WORK HISTORY

Engineer, 8/2023 – present

g/d/n/a

- g/d/n/a: global digital needs agency that excels at designing, building, and managing integrated solutions that are secure, resilient, and scalable. Member of cloud infrastructure team at Querri a Charleston based tech startup.
- Developing and building infrastructure to deploy applications on AWS for g/d/n/a & Querri.
- Active member of Charleston tech community, participant in Charleston based hackathons, developed webpage for Charleston hackathon

Field Engineer, 05/2022 – 8/2023

United States Citizenship and Immigration Services (USCIS)

- Installed and supported laptops, workstations, printers, and AV equipment, ensuring minimal downtime.
- Conducted system software updates, hardware fixes, and vulnerability fixes.
- Performed imaging of computers, maintained system servers and switches.
- Gained proficiency in AWS, Python, Linux, Shell scripting, HTML/CSS (front-end), and Flask (back-end) programming. Certified in AWS Solutions Architect Associate, Certified Cloud Practitioner, Machine Learning Specialization from the University of Washington/Coursera and COMPTIA+
- Interned with g/d/n/a: global digital needs agency that excels at designing, building, and managing integrated solutions that are secure, resilient, and scalable. Member of cloud infrastructure team at Querri a Charleston based tech startup.
- Implemented python projects using various libraries like Flask, Requests, Pandas, Matplotlib, NumPy, Boto3, Turicreate, Seaborn.
- Code for few projects: <https://github.com/Venkatramshesh>, personal website and blogs at (<https://vramsheshpersonalblog.com>)
- Participated in hackathons, tech meetups in the Charleston area. Winner of Charleston Generative AI Hack ([ReSaleWriter.AI](#)) which takes images of pieces of clothing and creates descriptors about the piece. Working on a startup based on this idea.

Field Engineer II, 11/2020 - 05/2021

Cytek Biosciences

- Installed and supported Aurora flow cytometer in a timely manner.
- Conducted regular system preventative and update visits.
- Identified potential system issues and provided solutions.

Field Engineer II, 01/2015 - 11/2020

GE Healthcare Lifesciences/Cytiva

- Installed and supported GE OMX super-resolution microscopes across multiple continents.
- Conducted yearly PM and hardware/software updates, and provided customer training.
- Troubleshooting and fixing system issues on-site and remotely

Research Instructor/Facility Manager, 12/2007 - 12/2014

Medical University of South Carolina

- Provide bioengineering and managerial support for the successful day to day working of the Advanced Imaging Core that included eight confocal, multiphoton & fluorescence microscopes and image processing workstations



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PROFESSIONAL SUMMARY

Motivated Biomedical Engineer with substantial experience in IT, cloud computing, and Python programming. Adept in utilizing AWS, machine learning, security, and DevOps principles. Proven ability to work in fast-paced environments and effectively troubleshoot and resolve system issues. Skilled in installation, training, and system testing, backed by a solid academic foundation in Biomedical Engineering.

PROGRAMMING SKILLS

Python, Matlab, C, Image J, HTML/CSS
Versed in Windows and Linux OS

EDUCATION

Ph.D., Biomedical Engineering, 2008
University of North Carolina - Chapel Hill

M.S, Biomedical Engineering, 2002
University of North Carolina - Chapel Hill

B.E, Instrumentation Engineering, 1999
Mumbai University - Mumbai

PROFFESIONAL ACTIVITIES

AWS Community Builder

EXTRACURRICULAR ACTIVITIES

Member of UNC squash team
Recreational salsa dancer

- Instructed users on microscopy/imaging usage and projects, consulted on projects involving use of light microscopy techniques within and outside the university
- Organizer and instructor for the Charleston Light Microscopy Workshop for the Biosciences (2008-2014)