

Tanish Neema

Nashville, TN | P: +1 6156185170 | tanishneema15@gmail.com | <https://github.com/Mr615-TN>

EDUCATION

LIPSCOMB UNIVERSITY SCHOOL OF COMPUTING

Bachelor of Science

Major in Software Engineering; Minor in Mathematics

Relevant Coursework: Artificial Intelligence; Embedded Systems; Operating Systems Management, Cloud Services, Operations and Supply Chain Management, Visual Analytics and Enterprise Systems

Nashville, TN

Graduated May 2025

WORK EXPERIENCE

MetaMorph Inc.

Software Engineering Intern

Nashville, TN

June 2024 – Aug 2024

- Tested RADON Software using Docker for the United Kingdom Atomic Energy Association
- Radon is an open source Data Management System designed for large scale storage providing distributed, robust, and extensible storage capabilities
- The software was being tested for the UK Atomic Energy Association because this government body was focusing on improving an existing nuclear power plant and being able to track changes in the data from the nuclear power plant.
- Documented any inconsistencies and issues with the software and its installation on actual hardware
- Delivered notes on the issues that I had and made the relevant suggestions on how the software can be improved

Virginia Commonwealth University

Software Engineering Intern

Nashville, TN

May 2023 – June 2023

- Developed python routes connecting the python backend to the react frontend for a project called SKILLBUILDER
- SKILLBUILDER is a system that focuses on process skills such as communication in active learning and undergraduate STEM classrooms where students are assigned assessment tasks that they do individually or in teams based on the admin.
- Created steps to move the existing codebase from GitHub to an AWS EC2 instance

PROJECTS

POGIL PROJECT/SKILLBUILDER

Aug 2022 - May 2023, Aug 2023-Dec 2023, Aug 2024-May 2025

- System Admin: Maintain the Testing and Production Servers on AWS
- Dev 2: Wrote Javascript code to allow functionality as deleting users and login through the enter button; Wrote Python routes to connect these new javascript functions to the python backend
- Dev 1: Researched tools to use to get the code base from GitHub on to AWS as a live website; Started writing python routes to connect react frontend to python backend
- Junior Dev: Wrote documentation to help new contributors to get started on the project and understand how the code base works

Discovering Symmetries with Dr. Juan Rojas

Jun 2023-Aug 2023

- Completed Research on how a robot is able to learn and discover symmetries in different environments
- Paper was accepted into an IEEE conference in Detroit

URL Shortener

- A simple web application that shortens URLs. It works by allowing users to send a POST request with a regular URL and retrieve a shortened version of it for easy access.
- The data is stored in an SQLite database and the entire application is written in python.

Recipe Manager

- A simple web application that displays a list of recipes and is written entirely in rust
- The web application allows one to add and delete recipes directly in the web application or from a json file.

ADDITIONAL

Technical Skills: *Proficient:* Linux, WSL, Python, Microsoft Office, Git, MacOS; *Intermediate:* React, JavaScript, Arduino/Embedded Systems Programming, AWS, MariaDB, MySQL, Pytest, Unit testing, Jira, Agile, Jupyter Notebook, Debugging, Code Review, C++, C, Docker, SQL, IT Networking, IT Security, Java; *Beginner:* Blender, Matlab, 32-bit x86 Programming, Rust, Tableau, LaTeX, Adobe Illustrator, Autodesk Inventor, OpenMeta, UML Diagrams

Languages: Fluent in English; Conversational Proficiency in Hindi

Certifications (WIP): Google IT Support Professional Certificate, AWS Cloud Technical Essential, The Odin Project Full Stack Developer

Tools: Visual Studio Code, Neovim, Vim, Nano, PlantUML, PlatformIO, Ubuntu, Debian, Arch