

Tanish Neema

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SUMMARY

Recent Software Engineering graduate from Lipscomb University (May 2025) with two internships and 3 years of hands-on experience in full-stack, cloud, and embedded systems development. Proven ability to design full-stack applications (React, Node.js, Python) and manage complex data architectures using AWS Neptune, JanusGraph, and SQL databases. Experience includes embedded systems programming (C/C++, PlatformIO), AI/ML, and DevOps practices (Docker, AWS EC2).

EDUCATION

Lipscomb University

Bachelor of Science in Software Engineering, Minor in Mathematics

Nashville, TN

Aug 2022 – May 2025

EXPERIENCE

Software Engineering Intern

MetaMorph Inc.

Jun 2024 – Present

Nashville, TN

- Designed AWS Neptune and JanusGraph database architecture for data relationship mapping and analytics
- Tested RADON open-source Data Management System using Docker for UK Atomic Energy Authority

Software Engineering Intern

Virginia Commonwealth University / ELIPSS

May 2023 – Jun 2023

Remote

- Developed SKILLBUILDER active learning platform with Python backend routes integrated with React frontend
- Established DevOps pipeline and authored deployment documentation for AWS EC2 migration

PROJECTS

POGIL Project / SKILLBUILDER | *Python, React, AWS EC2, GitHub*

Aug 2022 – May 2025

- Developed Python routes connecting React frontend to backend, adding user deletion and login functionality
- Maintained testing/production servers and wrote new contributor documentation

Baxter Robot Campus Tour Guide | *AI, Robotics, Speech Recognition/Synthesis*

Jul 2025 – Present

- Building AI-powered campus tour guide integrating speech recognition, synthesis, and conversational AI

QR Code Inventory Manager | *JavaScript, Full-stack*

Jul 2025 – Present

- Cross-platform inventory management app with QR code generation and scanning capabilities

Bad Variable Changer | *Rust*

Oct 2023 – Jul 2025

- Rust-based tool for detecting and refactoring variable naming issues across codebases

Article to Text Converter | *Python*

Feb 2025

- Python tool for extracting and converting article/PDF content into plain text

URL Shortener | *Python, REST API, SQLite*

Aug 2023

- Python REST API web application with SQLite backend for URL shortening service

TECHNICAL SKILLS

Languages: Python, JavaScript, C++, C, Java, SQL, Rust, HTML/CSS, Assembly

Frameworks & Libraries: React, Node.js, ROS, NumPy, Pandas, PyTorch

Cloud & DevOps: Docker, Git, AWS (EC2, Neptune), Linux/WSL, PlatformIO, Agile

Databases: SQLite, MariaDB, MySQL, AWS Neptune, JanusGraph

Tools: VS Code, Neovim, Jupyter Notebook, Jira