# 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**                                                                                           Nashville, TN
*Bachelor of Science in Software Engineering, Minor in Mathematics*                        *Aug 2022 – May 2025*

## EXPERIENCE

**Software Engineering Intern**                                                                        Jun 2024 – Present
*MetaMorph Inc.*                                                                                                    *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**                                                                      May 2023 – Jun 2023
*Virginia Commonwealth University / ELIPSS*                                                             *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 2024 – Present
- Cross-platform inventory management app with QR code generation and scanning capabilities

**Bad Variable Changer** | *Rust*                                                                      Oct 2023 – Jul 2024
- 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