

# Tanish Neema

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## PROFESSIONAL SUMMARY

Software Engineering graduate from Lipscomb University with 3 years of experience in full-stack, cloud, and embedded systems development. Proven expertise in designing complex data architectures using AWS Neptune and JanusGraph, and building scalable full-stack applications with React and Python. Experienced in DevOps practices, including Docker and AWS EC2 management

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C++, C, Java, SQL, Rust, HTML/CSS, Assembly  
**Frameworks & Libraries:** React, Node.js, ROS, NumPy, Pandas, PyTorch  
**Cloud & DevOps:** AWS (EC2, Neptune), Docker, Git, Linux/WSL, PlatformIO, Agile  
**Databases:** AWS Neptune, JanusGraph, MariaDB, MySQL, SQLite, Cassandra  
**Tools:** VS Code, Neovim, Jupyter Notebook, Jira, Tableau, Git

## EXPERIENCE

### MetaMorph Inc.

Software Engineering Intern

Nashville, TN

Jun 2024 – Present

- Engineered graph database architectures using AWS Neptune and JanusGraph to optimize data relationship mapping and complex analytics
- Tested and validated the RADON open-source Data Management System for the UK Atomic Energy Authority using Dockerized environments

### Virginia Commonwealth University / ELIPSS

Software Engineering Intern

Remote

May 2023 – Jun 2023

- Developed backend REST API routes using Python to integrate a React-based active learning platform.
- Designed frontend components using React to facilitate easier use of the React-based active learning platform
- Automated the DevOps pipeline and authored comprehensive technical documentation for platform migration to AWS EC2.

### Lipscomb University

Research Assistant Baxter Robot AI Project

Nashville, TN

July 2025 – Oct 2025

- Developed an interactive campus tour guide by integrating speech recognition and conversational AI into a Baxter Robot platform.
- Leveraged Mistral 7B as the primary LLM conversation engine to process and respond to user queries.
- Implemented Coqui and TTSWhisper to facilitate seamless speech-to-text and text-to-speech interaction.

### Starbucks

Barista

Brentwood, TN

Feb 2022 – May 2023

## PROJECTS

### POGIL Project / SKILLBUILDER Capstone | *Python, React, AWS EC2, Git*

Aug 2022 – May 2025

- Architected Python-based backend logic for user authentication and management, connecting a React frontend to scalable cloud services.
- Maintained production servers on AWS EC2 and established standardized onboarding documentation for new contributors.

### Baxter Robot AI Tour Guide | *AI, Robotics, Python, Speech AI*

Jul 2025 – Oct 2025

- Integrated speech recognition and conversational AI to create an interactive campus tour guide powered by robotics

### QR Code Inventory Manager | *JavaScript, Node.js, Mobile-Responsive*

Jul 2025 – Present

- Developed a full-stack application featuring real-time QR code generation and inventory scanning capabilities

### Bad Variable Changer | *Rust*

Oct 2023 – Jul 2025

- Built a high-performance refactoring tool in Rust to detect and standardize naming conventions across large-scale codebases

## EDUCATION

### Lipscomb University

Bachelor of Science in Software Engineering, Minor in Mathematics

Nashville, TN

Aug 2022 – May 2025