

# SNG Viraj Reddy

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## EDUCATION

### REVA University

November 2021 - June 2025

*Bachelor of Technology in Artificial Intelligence and Data Science - 8.7 CGPA*

**Relevant Coursework:** Database Management Systems, Data Structures & Algorithms, Operating Systems, Computer Networks, Neural Networks and Deep Learning, Natural Language Processing

## SKILLS

Languages	Python, Powershell, C/C++, Rust, JavaScript
IT/Computing	ServiceNow Orchestration, Qualys PM, WSUS, Ivanti
Databases/Cloud	MySQL, MongoDB, Firebase, PostgreSQL
Dev Tools	Docker, Kubernetes, Git, bash/zsh
Web Technologies	HTML/CSS, ReactJS, NodeJS, Postman, Django, Flask, Nginx

## EXPERIENCE

### Unisys

October 2024 - Present

*Associate Software Engineer*

*prev. Student Technical Intern (Automation)*

- Built and deployed full-scale automation workflows using **ServiceNow Orchestrator with JavaScript (Rhino)**, reducing manual IT operations workload by 80%.
- Wrote **PowerShell** scripts for **Patch management, Azure VM management, AD** and **system health checks**, improving response time to routine tasks by 60%.
- Automated patch management** for 300+ Azure & On-prem VMs using **WSUS, Qualys PM**, and **Vcenter**, ensuring compliance with security baselines.
- Containerized AI-led automation PoCs with **Docker**, reducing deployment time by 50% and enabling rapid testing in isolated environments.

## PROJECTS/FREELANCE

### A Context-Based File System Search Tool

*Skills - Python, FAISS, Scikit-learn, SQLite* [🔗](#)

May 2025

- A high-speed semantic search tool that **indexes 1,000+ files per minute** and retrieves **results in <1 second**.
- Used FAISS, SentenceTransformers, and NLP for **vector search and keyword extraction**.
- Indexes **both images and docs** and has a modular CLI for easy integration with multiple platforms and tools.

### A Company Website with GitHub Actions CI/CD Pipeline

June 2025

*Skills - React JS, Tailwind CSS, Netlify, Git, Github actions* [🔗](#)

- Developed a responsive company website using **React** and **Tailwind CSS** to showcase services and brand.
- Integrated a user-friendly contact form to collect customer inquiries and feedback directly through the site.
- Set up automated **CI/CD pipeline using GitHub Actions**, with seamless deployment to **Netlify**.

## EXTRACURRICULAR

### Open Source Contributions

September 2023 - Present

- FalcoSecurity/Falco-Playground** - Added test cases with **Cypress** and fixed UI bugs. (issues [#20](#), [#21](#), [#31](#))
- Haiti** - Added **Rake tasks**. (issue [#156](#))
- Gitscribe** - Developed and maintained the [project](#).

### Google Developer Student Club & Hackathon Club

June 2023 - February 2024

- Organized the national-level hackathon, REVA Hack 2023..
- Led and mentored student teams in web development and AI/ML, in collaboration with student clubs.