NAGIDI REVANTH

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🔗 https://www.linkedin.com/in/revanth-nagidi-746086275/ ⌗ https://github.com/REVANTH9493 ⚧ Male

PROFILE

Motivated Software Engineer with strong skills in Python, Java, Machine Learning, and Distributed Systems. Experienced in developing scalable applications, deep learning models, and automation solutions. Solid understanding of Unix/Linux, data structures & algorithms, networking (TCP/IP), and cloud-integrated workflows. Demonstrated hands-on experience through projects involving AI, Computer Vision, Embedded Systems, and Full-Stack Development.

EDUCATION

B.Tech. ECE, *CMR College of Engineering & Technology*   01/2022 – Present
GPA: 8.52/10

Diploma ECE, *Government Institute of Electronics*   10/2020 – 05/2023
GPA: 9.17/10

WORK EXPERIENCE

Cognifyz, *Software Engineer Intern* 🔗
- Designed and developed Python-based projects with a focus on clean architecture and optimized performance.
- Applied software engineering principles to build scalable, reliable components.
- Demonstrated strong collaboration and communication skills while coordinating development tasks.
- Improved coding efficiency through hands-on debugging, testing, and version control.

Elewayte, *Software Engineer Intern* 🔗
- Worked extensively with Python, NumPy, and Matplotlib for data manipulation and visualization.
- Developed and tested programs in cloud-based environments using Google Colab.
- Strengthened understanding of ML workflows and computational efficiency.

SKILLS

Languages — Java, Python, C.

Tools/Platforms — Git, Firebase, Google Colab, Proteus, Keil μVision.

Concepts — Data Structures & Algorithms, OOPs, SDLC, Cloud Computing, AI, Networking (TCP/IP).

PROJECTS

Breast Cancer Detection using advanced UNET and SMO optimization
- Implemented a deep learning pipeline using U-Net for high-accuracy tumor segmentation.
- Integrated Spider Monkey Optimization (SMO) to improve classification accuracy and reduce computational load.
- Worked with medical imaging datasets, preprocessing, training loops, and performance evaluation.
- Technologies: Python, Deep Learning, Computer Vision, Optimization Algorithms.

3 Dimension Scanner
- Developed a 3D scanning system using camera vision + servo-based rotational mechanisms.
- Collected multi-angle distance measurements and reconstructed 3D mesh objects (.obj format).
- Implemented scanning, filtering, and point cloud reconstruction using Python and OpenCV.
- Focused on high-accuracy geometry capture and data processing optimization.

ACHIEVEMENTS

CMR College of Engineering and Technology - Bud to Business 🔗
Runner-ups and competed among various branches and innovations.

HackArena National Level Hackathon 🔗
Qualified till the prefinal round competing among 7 different states.

CERTIFICATIONS

Fundamentals of AI - Infosys Springboard 🔗

160 Days of Problem Solving - GeeksforGeeks 🔗

CODING PLATFORMS

Solved 100+ problems on Leet Code 🔗

Solved 100+ problems on GeeksforGeeks 🔗