Sathwik Polineni

✉ sathwikpolineni@gmail.com | 📱 +91 6303667236
github.com/Wickypolineni | linkedin.com/in/sathwik-polineni/

Education

Aditya Engineering College   2021 - 2025
B. Tech in Electronics and Communication Engineering   *CGPA: 7.1/10*
Relevant Course Work:

- Arduino Programming (C++), Matlab, Internet of Things and Raspberry Pi Operations on Machine Learning Project.

Experience

IBM Skills Build   Aug. 2023 - Sept. 2023
Artificial Intelligence Intern   *Python, Django, Git, GitHub*

- Completed IBM SkillsBuild AI internship, specializing in real-world projects like the Restaurant Review System.
- Applied theoretical knowledge to enhance the Restaurant Review System, achieving a notable 20% increase in accuracy.

Technical Hub   Jun. 2023 - Jul. 2023
Python Developer Intern   *Python, SQL, Flask, HTML, CSS, JavaScript, Git, GitHub, Docker, Linux*

- Developed a Movie Recommendation System during a Python internship.
- Improved recommendation accuracy by 25% through careful algorithm adjustments.
- Spearheaded the implementation of ChatGPT as the primary project assistance tool, demonstrating self-reliance and resourcefulness; streamlined workflow, saving 10+ hours per week and increasing team efficiency by 25%.

Projects

AI Robotic Arm   Nov. 2023 - Nov. 2023
AI-Powered Robotic Arm Project.   *Python, C++, IoT, 3D Printing*

- Operates with exceptional efficiency, achieving a 99.5
- Elevates user experiences with a 95% accuracy in webcam tracking, seamlessly blending precision and adaptability.

Wildfire Prediction and Surveillance   Aug. 2023 - Oct. 2023
Nasa Space Apps Hacakthon Project   *Python, JavaScript, React.js, HTML, CSS, Drone Technology, Git, Github*

- Advanced Fusion: AI, drones, and satellites unite, delivering 98% accuracy in wildfire detection.
- Real-time Integration: Combine satellite and drone data seamlessly for swift wildfire identification.
- Strategic Surveillance: Enhance disaster response with our advanced system for efficient wildfire monitoring.

Deep Fake Detection   Mar. 2023 - Aug. 2023
AI-driven Deep Fake Detection   *Python, Github*

- Accurate Detection: Delivers a solid 63% accuracy in identifying deepfakes, ensuring reliable content integrity.
- Kaggle Recognition: Ranked in the top 25%, showcasing expertise in deepfake detection on Kaggle.

Achievements and Extra Curricular

- NASA SPACE APPS Challenge 2023 National Winner.
- Awarded Scholarship by Coding Ninjas to take the course DSA with C++ and got free goodies from them.
- Best Project Award at Aditya Engineering College for presenting a project on Automation with Esp-32 Cam.
- Elevated Leo Club Aditya's impact, boosting club funds by 45% and supporting over 5 orphanages, positively impacting 100+ children and 30+ elderly individuals through community events and fundraisers.

Skills

Languages:
Python, Java, C++, SQL, HTML, CSS, JavaScript

Technologies & Tools:
Flask, Django, Git, Github, Linux, DevOps, AWS, Machine Learning, Robotics

Certifications:
IT Specialist Python and Java Certified from Certiport.
Certificate Of Excellence in C++ from Coding Ninjas
Introduction to Data Science and Cyber Security from Cisco.
Problem Solving (Basic) from Hacker Rank