SURYANKA MARICK

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SUMMARY

Motivated Computer Science student with a foundation in programming, web development, and emerging technologies. Eager to apply skills in real-world projects and continuously learn and grow.

EDUCATION

B.E., Computer Science and Engineering Graduating June 2026
Chitkara University, H.P., India 9.55 CGPA
School of Engineering and Technology
Relevant coursework: Advanced Programming, Computer Architecture, Environment Science, OS, Human Values and Professional Ethics, IoT, Disaster Management, ML, Full-stack Development

International Exchange Program Graduating June 2025
Providence University, Taichung, Taiwan
Department of International Program in Computer Science
Relevant coursework: International Issues and Negotiations, CRM, Computer Networks, Deep Learning, Chinese, Programming

TECHNICAL SKILLS

Programming: C++, C, Java, Python, SQL, Javascript
Ai & Machine Learning: TensorFlow, PyTorch, OpenCV
Tools & Libraries: Scikit-learn, NumPy, Pandas, Matplotlib
Software Development: Git, Linux, Docker
Certifications: The Complete 2024 Full Stack Web Development Bootcamp - April 2024

IMPACT-DRIVEN PROJECTS

Sign Language Translator, Providence University, TW: February 2025 – March 2025

- Developing a real-time sign language translation system using computer vision and deep learning.
- Potential impact: Breaking communication barriers for 70+ million deaf people worldwide.
- Tools Used: TensorFlow, OpenCV, Python

AI-Powered Community Safety System, Providence University, TW: March, 2025 – Present

- Evolved from object detection to create an affordable security solution for underresourced neighborhoods.
- Tools Used: YOLO, OpenCV, TensorFlow

ACADEMIC PROJECTS

Potato Disease Classifier for Agricultural Communities February 2025 – February 2025
Addressed critical crop protection needs.

- Developed an accessible deep learning model to help rural farmers identify and treat potato leaf diseases early.
- Tools Used: TensorFlow, OpenCV

Synchronized Desktop Calendar for Cross-Cultural Collaboration December 2024 - February 2025
Facilitates better communication across global student networks.

- Developed tool specifically to bridge time zone and cultural gaps for international student collaborations
- Tools Used: React, Tailwind CSS

RESEARCH EXPERIENCE

Quantum Machine Learning Research (Independent) June 2024 – November 2024
Explored practical applications and Initiated cross-departmental discussions on technological solutions

- Investigated the intersection of AI and quantum computing for enhanced computational efficiency.
- Explored quantum algorithms and their potential applications in optimization problems.

RESEARCH INTEREST

- Computer Vision & Robotics
- Quantum Computing
- Foundational AI Models
- Safe & Trustworthy AI
- Theoretical Computer Science & Algorithm
- Global Issues & Diplomatic Negotiations
- International Laws & Cybersecurity Policies
- Technology & Geopolitics

ACTIVITIES

Technology Access Initiative june 2024 – July 2024

Conducted basic computer literacy workshops in rural communities near my home town in summer break.

- Created simplified guides for digital accessibility for students and elderly persons.
- Mentored 10+ students interested in technology careers.

Hackathon Leadership 17-18 October 2024

Finalist, HackIndia Ignite National Hackathon (India's Biggest Web3 Hackathon)

- Led team developing blockchain solution for hospital management with data integrity.

Cultural Ambassador 20 March 2025

Represented Indian culture in 411 study abroad Program

- engaged with global students and learned about there culture while showcasing mine.

LANGUAGES & CROSS-CULTURAL COMMUNICATIONS

- **Bengali** : Native
- **English** : Fluent
- **Hindi** : Fluent (Intermediate writing)
- **Chinese** : Beginner (Actively learning through language exchange program)
- Experience facilitating discussions between diverse cultural groups.
- Trained in inclusive communication strategies.