sdirwamiq@gmail.com

Chennai, Tamil Nadu 603203

SYED WAMIQ MUSTAFA

PROFESSIONAL SUMMARY

A highly organized and efficient developer skilled in Python, C/C++, Rust, Next.js, and Qiskit, with a strong ability to transform complex challenges into clean, scalable solutions. Experienced in data structures, machine learning, artificial intelligence, and computer architecture. Proficient in building end-to-end ML pipelines using Pandas, NumPy, and TensorFlow, and automating workflows to enhance performance and reliability. Adept in both independent and collaborative environments, with additional creative expertise in graphic design, video editing, and photo editing. Committed to continuous learning and delivering robust, real-world solutions that drive impact.

SKILLS

C | C++ | Python | HTML | CSS | JavaScript | Node.js | Git | PHP | React | Qiskit | Machine learning algorithms | MySQL | NumPy | Pandas | Matplotlib | Tkinter | PyTorch | Electron | YOLO | Adobe Photoshop | MS Office/Excel | Ethereum | Public Speaking | Communication | Teamwork | Adaptability | Leadership

CERTIFICATIONS

- Data Science – IBM
- AWS Academy Cloud Foundations – AWS
- AWS Academy Machine Learning Foundations – AWS
- DBMS Fundamentals and Advanced Concepts – Scaler
- IoT – Cisco

LANGUAGES

English | Native

Urdu | Native

Hindi | Native

EXPERIENCE

Intern Developer
Jun 2025 – Present

V Genuine Solutions Pvt. Ltd.

- Contributed to cross-functional development projects by closely collaborating with stakeholders, improving alignment between business and engineering teams.
- Adapted swiftly to evolving project requirements and team priorities, ensuring timely delivery of key milestones.
- Fostered strong communication across departments, leading to enhanced teamwork and project transparency.

SRM - Quantum Computing

Project Environment

- Participated in academic and practical research projects related to quantum algorithms, quantum gates, and emerging computation models.
- Collaborated effectively with peers and faculty researchers to achieve project milestones.
- Focused on learning new skills and staying updated with industry changes.

SRM ACAD - (RISCV & Shakti-Processor)

Work Environments and Projects

- Indulged in RISC-V and Shakti Processor architecture research and optimization projects.
- Identified and implemented process improvements to enhance operational efficiency in embedded workflows.
- Diagnosed and resolved minor hardware and software issues; escalated complex technical problems appropriately.
- Delivered high-quality project components on time while adhering to research and development standards.
- Participated in continuous training and knowledge-building sessions focused on advanced processor architecture and embedded systems.

EDUCATION

B.Tech in Computer Science and Engineering (CTECH) - Core Candidate
Expected graduation Aug 2026

SRM Institute of Science and Technology

PROJECTS

Portfolio Website
Built a professional yet futuristic cyberpunk-themed portfolio website with Next.js, React, and Tailwind CSS to showcase projects and achievements.
[HTML, CSS, JavaScript]
[https://my-portfolio-eight-rust-75.vercel.app]

DevKit Pro
A comprehensive browser-based toolbox for developers, designers, and content creators, offering 23 interactive utilities in one sleek interface. Designed for speed, minimalism, and productivity, with instant tool access, seamless navigation, and full responsiveness across devices.
[React, Next.js, TypeScript, Tailwind CSS, Vercel]
[https://devkit-pro-zeta.vercel.app]

Blockchain-Based E-Voting System
Designed a secure, decentralized voting system using Ethereum smart contracts and Web3.js. Ensures vote immutability, transparency, and voter privacy with real-time result tracking.
[Solidity, Ethereum, Web3.js, JavaScript]
[https://github.com/syedwam7q/BlockChain-Based-eVoting-System]

Real-Time Sign Language Detection
Built a hand-sign language recognition model using convolutional neural networks, ML, and pre-synthesized dataset. Deployed with OpenCV for live video input and provided audio/text feedback.
[Python, OpenCV, CNN, TensorFlow, Pyttsx3]
[https://github.com/syedwam7q/SignLanguageDetectionUsingML]

PMARS – Python Multitasking Architecture for RISC-V Systems
Built a RISC-V simulator in Python supporting preemptive multitasking with priority-based scheduling, context switching, and interactive CLI. Features real-time visualization of process states and multiple scheduling algorithms.
[Python, RISC-V ISA, Tkinter/CLI, Threading]
[https://github.com/syedwam7q/MyRiscVOSPy]

Home Automation System
Created an IoT-based home automation system using Raspberry Pi, HTML, Python, and Flutter. Integrated features for smart control and monitoring.
[Python, Raspberry Pi, HTML, Flutter, MQTT]

Real-Time Object Detection using YOLO
Implemented YOLO-based ML object detection pipeline in Python for live video streams. Optimized model inference for low-latency detection and integrated alerts for anomalous objects.
[Python, OpenCV, YOLO, NumPy]

Helmet Detection System
Developed a CNN-driven system to detect helmet usage on motorcyclists in real-time footage. Achieved 95% accuracy through data augmentation and model fine-tuning.
[Python, TensorFlow/Keras, OpenCV]

Qiskit Projects
Quantum Computing — Worked in IBM Qiskit environment to design and run quantum circuits. Projects involved quantum teleportation, entanglement, and Grover's algorithm.
[Python, Qiskit, IBM Quantum Experience]

Spam Email Detector
Designed a spam classifier in Python with MySQL backend, using NLP techniques to label and filter emails.
[Python, Scikit-learn, NLP, MySQL]

AFFILIATIONS

- ACM – Association for Computing Machinery
- DSA Club Member – SRM

HOBBIES AND INTERESTS

- Machine Learning
- AI
- Data Science
- Quantum Computing
- Web Development
- App Development

EXTRACURRICULARS

EC (Delhi Public School, Budgam):
- District Football Winner
- District Cricket winner
- IMUN