

MOHAMED SHAHIL SHAJAHAN

Developer | Tech Enthusiast | Open Source Builder — Exploring New Technologies & Building Practical Software

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PROFILE SUMMARY

Passionate technologist who genuinely enjoys exploring new tools, languages, and platforms — from backend scripting and automation to embedded systems and firmware. A fast, self-taught learner who picks up unfamiliar technologies quickly and turns ideas into working software through hands-on experimentation. Actively builds and maintains open-source projects on GitHub, with a natural curiosity that keeps pushing toward whatever technology comes next.

TECHNICAL SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, HTML, CSS
- **Scripting & Automation:** PowerShell, Batch (CMD), Google Apps Script
- **Operating Systems:** Windows (Optimization & Power User), Linux (User-level)
- **Tools & Version Control:** Git, GitHub, Windows Terminal, Markdown
- **Embedded / IoT:** Arduino, C++ firmware & kernel-level development

PROJECTS

- **WinKit** (PowerShell) — All-in-one PowerShell toolkit automating Windows optimization, deep cleanup, and privacy management. github.com/shahilshajahan/Winkit
- **NetCutix** (PowerShell) — Windows app for one-click, per-application internet access control via Windows Defender Firewall. github.com/shahilshajahan/NetCutix
- **Live Mic to Speaker** (Python) — Real-time audio utility that routes live microphone input directly to speakers. github.com/shahilshajahan/LiveMicToSpeaker
- **Firmware for Xiaomi Mi 10i** (C++) — Developed and maintain custom Android OS firmware and kernel optimizations, supporting community custom-ROM installs. github.com/shahilshajahan/firmware-for-gauguinipro
- **Arduino RTC Timing Switch** (C++ / Arduino) — Designed and programmed a scheduled on/off control system for AC appliances using an Arduino Uno, DS3231 RTC module, and a relay module. github.com/shahilshajahan/Arduino-RTC-Timing-Switch
- **Java Calculator Application** (Java) — Built a calculator app with a range of arithmetic operations, iteratively enhanced with advanced calculation methods. github.com/shahilshajahan/Calculator
- **Movie Ticket Booking System** (Python) — Built a beginner-to-intermediate booking system covering show/seat management and core backend logic. github.com/shahilshajahan/Movie-Ticket-Booking-Py

EXPERIENCE

Administrator — Clothing Industry, Madurai | 2023 - Present

- Manage daily business operations, maintain accounts, and organize core business processes.
- Ensure smooth cross-team workflow management, applying strong attention to detail and analytical thinking.

Mobile & PC Technician — Madurai | 2018 - 2023

- Diagnosed and resolved hardware and software issues across mobile devices and PCs for 5 years.
- Built strong troubleshooting and analytical instincts that later motivated the shift into software development.

CERTIFICATIONS

- Software Developer Certification — Python, Java, C++
- Python (Basic) Certificate — HackerRank
- Microsoft Cybersecurity Level 1 — Coursera
- Prompt Engineering — Webinar Program
- 5-Day Online Webinar Programs — HTML/CSS, C++, Java

EDUCATION

Diploma in Electronics and Communication Engineering

KLN Diploma Engineering, Madurai | 2015 - 2018 | 68%