

Yatin Rajesh

+91 98863 04384 | yatinrajesh123@gmail.com | linkedin.com/in/yatin-rajesh | github.com/T1n777

EDUCATION

PES University <i>Bachelor of Technology in Computer Science</i>	Bengaluru, KA Aug. 2025 – May 2029
Deeksha Center for Learning <i>Pre-University Course (PCM)</i>	Bengaluru, KA Jun. 2023 – Apr. 2025
Bishop Cotton Boys' School <i>ICSE Grade 10</i>	Bengaluru, KA Graduated May 2023

EXPERIENCE

Pose Estimation Research Intern <i>Kinematic ACM Industrial Experience Program (AIEP)</i>	Jan. 2026 – Apr. 2026 Bengaluru, KA
- Developing a real-time human pose estimation pipeline using MediaPipe and OpenCV - Researching and implementing temporal cohesion techniques to improve frame-to-frame pose stability - Exploring 3D pose estimation methods to extend the pipeline beyond 2D skeletal tracking	
Member <i>Hackerspace (HSP) PES University</i>	Aug. 2025 – Present Bengaluru, KA
- Active member of a tech community focused on open source development and knowledge sharing - Receiving mentorship from senior members on open source contribution and software development best practices	

PROJECTS

Tinarchy <i>Python, Nginx, Linux, Tailscale, Systemd, SSE, HTML/CSS</i>	2026
- Built a modular, glassmorphic Linux server dashboard and control center for headless home servers using Python and Nginx - Engineered live telemetry streaming via Server-Sent Events (SSE) with delta updates (>50% bandwidth reduction) and <2ms Tailscale UNIX domain socket identity verification - Automated multi-service orchestration across Systemd, Syncthing folder synchronization, headless JDownloader 2 link submission, and leak-proof Tor routing	
SpectreFlow <i>Python, Radare2, Docker, YARA, NetworkX, Tkinter Genesys 2.0 Hackathon</i>	2025
- Built a comprehensive malware analysis engine combining static analysis, dynamic monitoring, and threat intelligence - Integrated Radare2 for control flow graph generation and YARA rules for detecting ransomware and keyloggers - Implemented VirusTotal and MalwareBazaar API integrations for real-time hash-based threat lookups - Designed a Tkinter GUI dashboard with live analysis logs, risk scoring, and interactive graph visualization	
PESU WiFi Android <i>Kotlin, Jetpack Compose, Material 3, OkHttp, Coroutines, AndroidX Crypto</i>	2026
- Developed a native Android app in Kotlin and Material 3 for automated campus captive portal login, session management, and 1-tap multi-account switching - Architected an event-driven background engine using OkHttp and AlarmManager/Coroutines for continuous keepalive and zero-battery idle drain - Implemented direct Wi-Fi SocketFactory network binding to bypass cellular fallback, automatic BSSID handover verification, and AES-256 encrypted credential storage	
AI Task Manager <i>Python, AI/LLM APIs</i>	2025
- Built a productivity tool that leverages AI to help users create, organize, and prioritize tasks efficiently - Implemented smart task structuring and deadline management to reduce manual planning effort	

TECHNICAL SKILLS

Languages: Python, Kotlin, C, Bash/Shell, HTML/CSS, SQL
Libraries & Frameworks: Jetpack Compose, Android SDK, OkHttp, Coroutines, OpenCV, MediaPipe, NumPy, pandas, SciPy, Matplotlib, NetworkX, Tkinter, Streamlit, requests, BeautifulSoup4
Developer Tools & Technologies: Linux (Arch/Debian), Nginx, Docker, Git, Tailscale, Systemd, Android Studio, GCP, Radare2, YARA, Gradle, VS Code