

NITIKSH KUMAR

Software Developer

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PROFILE

Computer Science undergraduate (3rd semester) at Lovely Professional University, shipped 10+ desktop and web/offline products spanning media processing, developer tooling, and AI-assisted workflows. Builds primarily with React, Rust/Tauri, and Python, with a focus on offline-first, privacy-respecting, production-grade software.

SKILLS

- **Languages:** JavaScript, Java, TypeScript, Python, Rust, C, C++, SQL
- **Frontend:** React, Next.js, Tailwind CSS, HTML, CSS
- **Backend / Desktop:** Node.js, Express.js, Tauri, Qt6, WebRTC, REST APIs
- **Databases & Tools:** MongoDB, MySQL, PostgreSQL, SQLite, Git, GitHub, Docker, AWS

PROJECTS — NTXM PRODUCTS

KinoFlux Suite — Video Editor, Player & Whisper Studio | [Visit Project](#)

- Built an offline-first, hardware-accelerated 4K video player for Windows supporting MKV, MP4, AVI, WebM and MOV with a native dark UI and zero telemetry.
- Developed a non-timeline video editor with 30+ local media tools covering video trim/merge/convert, audio extraction (MP3/WAV/AAC/FLAC), image resize/compress, and contains pdf, word, excel, etc all document processing— no watermark, no cloud upload.
- Integrated OpenAI's Whisper model into Whisper Studio for fully offline audio transcription and subtitle generation.

Tech: Rust, Tauri, React, TypeScript, FFmpeg

TechXcelerate Editor — Automated AI Desktop IDE | [Visit Project](#)

- Engineered a desktop IDE with a multi-language runner (Rust, C++, Java, Go, C, Python, etc), an integrated terminal, and a context-aware AI assistant for debugging and guidance.
- Designed a secure, token-authenticated local REST “Command Server” API that lets scripts and AI agents automate the editor programmatically.
- Shipped multi-file project support and interactive, real-time-validated coding practice challenges.
- Added a Multi – Agent AI in IDE, build in rust from scratch.

Tech: Rust, Tauri, React

SQL Studio — Desktop Database Workspace | [Visit Project](#)

- Built a cross-engine desktop client for PostgreSQL, MySQL and SQLite with query execution, CRUD data editing, and CSV/JSON export.
- Implemented an interactive, auto-layout visual schema explorer covering 10+ database object types (tables, views, functions, procedures, triggers).

Tech: Rust, Tauri, React, SQL and related Databases

NTXM Browser Mini — Programmable Automation Browser | [Visit Project](#)

- Built a native C++ desktop browser (Qt6 + Chromium Embedded Framework) with an embedded REST server on port 9090 for AI-agent-driven browsing, editing and manipulating the html pages in real-time.
- Exposed token-authenticated HTTP endpoints for multi-tab control, navigation, page-load synchronization, and raw DOM/HTML extraction — a lightweight alternative to Selenium/Playwright.

Tech: C++, Qt6, CEF (Chromium Embedded Framework)

TypeMaster — Story-Based Typing Practice | [Visit Project](#)

- Built a cross-platform (Web, Windows, macOS) typing tutor with 1,400+ literature-based practice chapters instead of random words.
- Implemented real-time WPM and accuracy tracking with fully local session history and CSV export — free, ad-free, and account-free.
- Used Python for scrapping the data over the internet across websites for stories.

Tech: React, Node.js, Tauri, Python Web Scrapping

EDUCATION

Lovely Professional University — Phagwara, Punjab, India

Bachelor of Technology, Computer Science and Engineering | 3rd Semester (In Progress) | Aug 2026 – Present

ACHIEVEMENTS

- Founded and lead NTXM.org, independently designing, building and shipping 10+ production-ready desktop and web products.
- Delivered products across domains — offline media processing, developer tooling, database management, Saas Applications and AI-assisted multi-agentic desktop automation like codex with full access control.