

# Nand Kishore

Backend & Automation Engineer | AI-Integrated Production Systems | OpenVINO Contributor

+91 8807888422 [nkk01414@gmail.com](mailto:nkk01414@gmail.com)

[linkedin.com/in/nand-kishore-8b9093262](https://www.linkedin.com/in/nand-kishore-8b9093262)

[github.com/Nandkishore-04](https://github.com/Nandkishore-04)

[nandkishore.dev](https://nandkishore.dev)

## Open Source Contributions | OpenVINO GenAI (Intel)

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### PR #3305 – Node.js N-API Bindings for Text2VideoPipeline

- Resolved an open issue to bring **Text2VideoPipeline to Node.js** — Designed the N-API C++ bindings from scratch so JavaScript and TypeScript developers can run video generation inference without leaving the Node ecosystem.

### PR #2302 – C API Bindings for Text-to-Speech Pipeline (SpeechT5)

- Integrated **SpeechT5 text-to-speech support** to C developers by writing clean C wrappers for Text2SpeechPipeline and SpeechGenerationConfig — enabling TTS accessible outside Python.

## Projects

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### AI-Powered Inventory Management | Final Year Project *React, TypeScript, Node.js, PostgreSQL, OpenAI API*

- Engineered an AI-integrated inventory system enabling natural-language stock queries and automated supplier invoice ingestion via OCR.
- Wired up a **real-time monitoring dashboard** with configurable stock alerts, trend analytics, and role-based access control.

### Automated Admin Dashboard | Freelance – Shipped *Next.js, Supabase, TypeScript, n8n*

- Designed and implemented a client lifecycle management platform replacing client's Email, Excel and WhatsApp-based ops — shipped to production and in daily use.
- Automated follow-up emails via n8n workflow triggers and locked down data access with Supabase RLS; also Architected a meeting scheduler into the dashboard.

### Insurance Policy Manager | Freelance – Shipped *Electron, React, SQLite, Vite, jsPDF*

- Architected a **fully offline Windows desktop app** for a local insurance firm to manage Motor, Mediclaim, and General policies — no internet required, all data stays local.
- Delivered agents a fast **KYC search and renewal dashboard** with one-click renewals and on-demand policy document export via jsPDF.

### Simply Search | Freelance – Shipped *Electron, React, FastAPI, SQLite, Python*

- Replaced a warehouse team's slow Excel lookups with a **desktop search app** returning results in reducing lookup latency to sub-100ms using SQLite FTS indexing .
- Packaged with **Electron** for a simple double-click Windows install — no terminal or setup needed.

## Education

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### Hindustan Institute of Technology and Science, Chennai

Sept 2022 – June 2026

B.Tech in Computer Science & Engineering Artificial Intelligence and Data Science

### Shibaura Institute of Technology, Tokyo, Japan

March 2025 – August 2025

## Technical Skills

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**Languages:** JavaScript, TypeScript, Python, C, C++

**Frontend:** React, Next.js, Tailwind CSS, Framer Motion, Electron

**Backend & APIs:** Node.js, FastAPI, REST APIs, N-API (C++ bindings)

**Databases:** PostgreSQL, MySQL, SQLite, Supabase

**Cloud & DevOps:** Docker, AWS, Git, GitHub Actions, Vercel

**Automation:** n8n

**API Testing:** Postman