



Neeraj

Full Stack Developer | Next.js, Node.js & AI Systems

✉ kneeraxzz@gmail.com ☎ +91 7976378781

⌚ New Delhi, India 🌐 [Portfolio](#)

Profiles

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Summary

Forward-thinking **Full Stack Developer** bridging the gap between scalable web applications and **AI Automation**. Expert in **Next.js 15** and **Node.js**, with deep experience building complex systems like **Mimi** (Canvas API engine) and **Vindex** (RAG-based video search). Currently focused on architecting **AI Agents** and **n8n workflows** to build self-optimizing, intelligent software solutions.

Projects

Mimi

2026-Present

AI Meme Studio & Social Platform

- Engineered a browser-based image editor using the **HTML5 Canvas API** with a custom rendering engine for multi-layer compositing and dynamic text styling.
- Architected a "Dual-Content" backend with **Next.js** that efficiently separates ephemeral feed data from permanent user creations to optimize storage.
- Implemented a high-performance Masonry Feed using **MongoDB Aggregations** and optimistic UI updates for instant load times.
- Tech: *Next.js 15, HTML5 Canvas, TypeScript, Node.js, MongoDB, AWS S3*

Vindex

2025-Present

Semantic Video Search (RAG)

- Built a Retrieval-Augmented Generation (RAG) engine using **OpenAI Embeddings** to enable natural language search within YouTube video transcripts.
- Optimized query performance by implementing a **Vector Database** (Pinecone/Atlas) for high-dimensional similarity search, reducing retrieval latency by 40%.
- Tech: *Next.js, Python, OpenAI API, Vector DBs, LangChain*

SkillSprint

2025-Present

Gamified AI Learning Platform

- Architected an AI-powered LMS using **Generative AI** to dynamically create personalized, timeline-based learning roadmaps and daily quizzes.
- Utilized **Zustand** for global state management to track daily streaks and real-time progress across a gamified dashboard.
- Tech: *Next.js, Gemini AI, Zustand, MongoDB, Node.js*

Skills

Languages

C++, Python, C, TypeScript, HTML5, CSS3

Framework & Libraries

React.js, Next.js, Node.js, Express.js, Mongoose, Tailwind CSS, Zustand, shadcn/ui

Tools & Platforms

Linux (Arch), Postman, Docker, AWS, Bash Scripting, Vercel, Cloudinary

Databases

MongoDB, Vector Databases, PostgreSQL, Appwrite, Supabase

AI & Automation

n8n, AI agents, RAG Pipelines, OpenAI API, Vector Search

Certifications

Postman API Fundamentals Student Expert

Jan 2026

Postman

Certified in API testing, automation, and documentation

MongoDB Data Developer Basics

Jan 2026

MongoDB University

Validated skills in NoSQL schema design and aggregation frameworks

Awards

DSA

LeetCode

Solved 100+ DSA Problems Over Multiple Platforms(Leetcode, HackerRank, Coding Ninjas etc)

LeetCode

Open Source

GitHub

Active Contributor to Open Source (Maintains "SkillSprint", "Vindex" & "Mimi" repos)

GitHub

Education

Maharaja Surajmal Institute Of Technology

Bachelor of Technology

Computer Science and Technology

August 2024 - July 2028

Languages

English

Hindi

VideoTube API

2025-Present

Scalable Streaming API

- Designed a production-grade REST API with `Node.js` handling secure video uploads, nested comments, and playlist management via `Multer` and `Cloudinary`.
- Engineered complex MongoDB Aggregation Pipelines to generate dynamic "Home Feeds" and user watch history efficiently at scale.
- Tech: `Node.js`, `Express.js`, `MongoDB`, `JWT Auth`