

Bhavesh Patil

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SUMMARY

Second-year B.Sc. IT student focused on frontend performance engineering, serverless infrastructure and developer tooling. Built and deployed independent projects using Next.js, TypeScript, Python and Vercel Edge Functions.

SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, HTML5, CSS3

Frontend: Next.js 15, React 19, Tailwind CSS, Vite, Responsive Design, Mobile-First Development

Backend & APIs: Node.js, REST APIs, Serverless Functions, Python API Development

Infrastructure: Vercel Edge Functions, Caching Systems, CORS Proxy, CDN, Cloudinary

Performance: Lazy Loading, Core Web Vitals, LRU Cache Eviction, In-Memory Caching, HTTP Range Requests

Tools: Git, GitHub, FFmpeg, N8N, NPM

EDUCATION

Bachelor of Science in Information Technology

Dr. G. Y. Pathrikar College of CS & IT, MGM University | Graduation: May 2027

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks, Web Technologies, Artificial Intelligence & Machine Learning, Deep Learning and Neural Network Fundamentals

PROJECTS

Cine+ | 2026 – Present | Next.js 15, React, TypeScript, Tailwind CSS

cineplus.iambhvsh.in

- Built a responsive, ad-free movie and series streaming platform with a mobile-first interface inspired by the Apple TV application on iOS.
- Engineered a V8 in-memory LRU caching layer that reduced repeated API response latency from approximately 350ms to near-instant local cache retrieval.
- Separated caching workflows from API key rotation logic, significantly reducing repeated outbound requests to third-party providers under sustained load.
- Improved application stability during heavy traffic by enforcing strict LRU cache eviction policies and controlled memory constraints.

Walleee | 2026 – Present | React 19, TypeScript, Vite, Vercel, Cloudinary

github.com/iambhvsh/walleee | walleee.iambhvsh.in

- Built a responsive wallpaper gallery with a masonry layout and a seeded-shuffle system for consistent daily curated image feeds.
- Integrated Cloudinary webhooks with Vercel serverless functions to automate edge-cache invalidation and remove manual redeployment workflows.
- Reduced initial media payload size using lazy loading workflows and dynamic Cloudinary image transformations.

YTDL (@iambhvsh/ytdl) | 2025 – Present | TypeScript, Node.js, yt-dlp, FFmpeg

npmjs.com/package/@iambhvsh/ytdl | github.com/iambhvsh/ytdl

- Published a zero-telemetry CLI media downloader on npm with cross-platform support for Windows, macOS, Linux and Android through Termux.
- Implemented an automated bootstrapping workflow that dynamically installs yt-dlp binaries from GitHub Releases during first-time setup.
- Built playlist-based bulk media download workflows with dynamic resolution selection and automated failure handling for unavailable resources.
- Integrated FFmpeg-based local audio and video merging to avoid cloud processing dependencies and preserve user privacy.

blkproxy | 2025 – Present | JavaScript, Vercel Edge Functions

github.com/iambhvsh/blkproxy | blkproxy.iambhvsh.in

- Developed a stateless zero-configuration CORS proxy on Vercel Edge Functions to simplify third-party API integration during frontend development.
- Implemented SSRF protection, automated security headers and dynamic host whitelisting for safer proxy routing in production environments.
- Improved request reliability for media delivery through retry handling and HTTP Range request support.

Swipe APIs | 2025 – Present | Python, REST APIs, Vercel Serverless

github.com/iambhvsh/swipeapis | swipeapis.iambhvsh.in

- Built a Python REST API suite aggregating financial data, multi-engine search results and global news into structured JSON endpoints.
- Implemented sentiment analysis workflows for news data with standardized error handling for simpler third-party developer integration.
- Deployed serverless API endpoints on Vercel with pagination, query filtering and multilingual response support.