

Shivam Singhal

Software Engineer

+917983772647 shivamsinghal160@gmail.com [Linkedin](#) [Github](#) Agra, Uttar Pradesh, IN <https://shivam1512.netlify.app>

SUMMARY

A motivated and energetic Software Engineer with over 3 years of experience in developing and maintaining high-quality web applications. Proficient in JavaScript, Node.js, PHP, React.js, and MySQL, with a strong ability to solve complex challenges and deliver efficient, scalable solutions. Passionate about continuous learning and quick to adapt to emerging technologies, committed to driving innovation, collaboration, and organizational growth.

SKILLS

Node.js	Express.js	React.js	MongoDB	MySQL	PHP	Git	JQuery	AWS Essentials	Redis
---------	------------	----------	---------	-------	-----	-----	--------	----------------	-------

EXPERIENCE

Software Engineer

Nishtya Infotech Pvt. Ltd.

09/2023 - Present Agra, Uttar Pradesh, IN

- Led key projects like **Candidate Coordination Dashboard (CCD)**, **Resume Parser**, **Chrome Extensions**, and **Exam Module with anti-cheating functionality**.
- Built CCD to streamline HR workflows through **automated matching** and resume autofill, **boosting productivity** and **reducing data extraction costs**.
- Automated HR data workflows via CCD, reducing **candidate tracking time by 60%**.

Software Engineer Intern

Nishtya Infotech Pvt. Ltd.

06/2023 - 09/2023 Agra, Uttar Pradesh, IN

- Assisted in developing and maintaining internal tools and web platforms using **Node.js**, **JavaScript**, and **MySQL**.
- Contributed to **CCD modules** and gained experience in backend development, debugging, and **performance optimization**.

PROJECTS

Adaptive Video Streaming using HLS

10/2025 - Present

Technologies: Node.js, Express.js, FFmpeg, HLS, HTML5, Worker Threads, Clustering

- Designed and developed a **video streaming platform** using **HTTP Live Streaming (HLS)** for smooth and **adaptive** playback.
- Implemented **FFmpeg** for **video encoding**, **segmentation**, and playlist generation to support **multiple video quality** levels.
- Built a **Node.js + Express.js** backend to serve media content efficiently and handle API requests for **dynamic streaming**.
- Ensured **scalability and performance optimization**, supporting **adaptive bitrate** streaming for different network speeds.

AI Video Summarizer – YouTube/Vimeo/Gumlet Content Summarization

Technologies: Node.js, Express.js, yt-dlp, Gemini Flash 2.0, Worker Threads, JavaScript

- Developed an **AI-driven tool** using **Gemini Flash 2.0** and summarize video content from multiple platforms including **YouTube**, **Vimeo**, and **Gumlet**.
- Integrated **yt-dlp** for high-speed YouTube video and audio extraction.

Watify.io – WhatsApp Automation Chrome Extension

<https://chromewebstore.google.com/detail/hamkoncbmlimlkbfbjdcihlkegohhnjf>

Technologies: Node.js, Express.js, Chrome Extension API, WebSockets

- Implemented features for **bulk messaging**, **chatbot flowcharts**, **predefined templates**, and **personalized message automation**.
- Used **WebSockets** for real-time message through webhooks and connection handling.
- Adopted by 100+ HRs internally to automate WhatsApp communication workflows.
- Improved team productivity by reducing manual communication time through automation.

Candidate Coordination Dashboard (CCD)

Technologies: HTML, CSS, JavaScript, PHP, Web Socket, Node.js, Google Places API, Gemini Flash API

- Developed an **end-to-end** solution for HR teams to manage and update candidate data seamlessly
- Integrated **ultra-fast CSV upload**, allowing thousands of applicants to be processed in under one second
- Enabled applicant resume auto-upload with **autofill functionality** to streamline candidate data entry
- Implemented **Web Socket** for real-time admin updates, including **user access control** and **candidate data sharing** with client
- Integrated **Mailer with analytics** to capture and analyze applicant data for job openings, and **connected Watify** to automate WhatsApp workflows.

EDUCATION

Masters of Computer Applications

Amity University

07/2023 - 06/2025 Noida, Uttar Pradesh, IN

Bachelors of Commerce

Dr. B.R. Ambedkar University

09/2020 - 09/2023 Agra, Uttar Pradesh, IN

CERTIFICATION

Node.js Zero to Hero

Let's Upgrade

JavaScript Essentials

Let's Upgrade