

# NAMAN DEEP SINGH

+91-9893217208 | [namand272@gmail.com](mailto:namand272@gmail.com) | [Linkedin](#) | Indore, India

## SUMMARY

With 3+ years of experience in JavaScript, React, and Node.js, I've built browser extensions using Shadow DOM for CSS isolation, developed a canvas-based thumbnail editor, and migrated a PHP PDF processing engine to Go for better performance. My full-stack expertise allows me to create efficient, scalable solutions across the stack.

## WORK EXPERIENCE

### Senior Software Engineer

Jan 2022 - Present

Cyber Infrastructures (Indore, India)

#### TubeSpanner Browser Extension (JavaScript, React, Redux, Browser Extension APIs)

- Modernized a vanilla JS extension by migrating to React + Redux, improving state management and reducing crash rates by 95%.
- Enabled offline functionality through Chrome Storage API integration and expanded cross-browser support (Chromium, Firefox, Safari) via Webpack configuration.
- Resolved styling conflicts across 150+ websites by implementing Shadow DOM for 25+ UI components and developed a React Portal system for dynamic component rendering.
- Mentored two junior developers in building performant React hooks and mutation observers, enhancing code maintainability.

#### TubeSpanner Thumbnail Editor (React, Fabric JS, Redux)

- Re-engineered a legacy 33K-line vanilla JS editor using React + Fabric.js, reducing bugs by 40% and thumbnail generation time by 25%.
- Introduced AI-powered features (auto-cropping, text-to-background generation) and drag-and-drop templates, increasing user engagement by 20%.
- Expanded editing capabilities with custom tools (SVG brushes, layer management) and modular React components, accelerating feature development by 30%.

#### PDF Processing Engine (GO / Node / Python, gRPC, MongoDB)

- Developed a Go-based PDF compression service leveraging ilovePDF API, achieving 70% file size reduction.
- Built a Python service to convert PDFs to interactive HTML using AI, enhancing content accessibility.
- Engineered a concurrent Go processor to transform PDFs into web-optimized XOD format, automating workflows with FTP cron jobs.

## EDUCATION

### Bachelor of Science in Computer Science

Aug 2018 - Aug 2022

Shri Vaishnav Institute of Information Technology, Indore

## SKILLS

Web Technologies	HTML5, CSS3.
Programming Languages	JavaScript, Golang.
Frameworks	React.js, Redux.js, Next.js, Tailwind CSS, MUI, Bootstrap.
Databases	MySQL, MongoDB.
Backend	Node.js, Firebase, REST APIs, Microservices.
Tools	Git, JIRA, Postman, Swagger, Docker, Webpack, Rollup, Vite.

## CERTIFICATES

### Advanced SQL (codechef)

May 2023

### Advanced JavaScript (codechef)