# Sonu Shivcharan

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## SUMMARY

**Full-Stack Web Developer** with practical experience in building **responsive**, **high-performance** applications using **Next.js, Node.js, and React.js**. Skilled in developing **scalable backend APIs**, creating **intuitive user interfaces**, and integrating **AI-powered features** for enhanced functionality and user experience.

## EDUCATION

**Dr. DY Patil Arts, Commerce and Science College**  Pune, Maharashtra
*Bachelor of Computer Applications*  *July 2023 – June 2026*

## EXPERIENCE

**Web Development Intern**  February 2025 – May 2025
*Alaska App Studios, Pvt. Ltd.*  *Remote*
- Developed and maintained **responsive web applications** using **React.js**
- Converted **Figma designs** into **high-quality, reusable UI components**
- Led a **team of developers**, ensuring smooth workflow and maintaining **code quality**

## PROJECTS

**Tiffinz – Tiffin Service Management Web App** | *Next.js, MongoDB Atlas*  May 2025 – Present
- Building a full-stack **meal tracking system** using **Next.js** and **MongoDB Atlas**.
- Implemented user-facing features including **daily tiffin status**, **wallet balance tracking**, and **detailed transaction history** for tiffin payments.
- Developing an **admin panel** to verify **manual payments** and approve **wallet top-ups**.
- Integrating **role-based access control (RBAC)** for both users and admins.

**Krishi Sahayak** | *Next.js, Genkit, RAG, MongoDB*  September 2025 – October 2025
- Built an AI-powered chatbot prototype using **Next.js** and **Gemini LLM** to help farmers receive instant support via **text, voice, and image queries**.
- Implemented a **RAG architecture** with the **Google Genkit SDK**, starting with **MongoDB Atlas Vector Search** and later migrating to **QdrantDB** for optimized vector similarity search.
- Cleaned and ingested **agricultural datasets** from data.gov.in into QdrantDB to enable accurate and context-aware information retrieval.

**Vidz Backend – Video Sharing Platform** | *Node.js, Express, MongoDB, Cloudinary*  April 2025 – May 2025
- Developed a scalable **RESTful API backend** for a video-sharing platform using **Node.js**, **Express**, and **MongoDB**.
- Reduced video upload time by **60%** by enabling direct uploads to **Cloudinary** using secure signature-based authentication.
- Implemented social features such as **comments, likes, subscriptions**, and **user profiles** to enhance user engagement.
- Secured APIs using **input validation** and **authentication middleware**.
- Designed and documented **30+ API endpoints** for smooth frontend integration and Postman testing.

## TECHNICAL SKILLS

**Languages**: JavaScript, TypeScript, HTML/CSS, Python
**Frameworks and Libraries**: React.js, Next.js, Node.js
**Developer Tools**: Git/Github, Docker, Google Cloud Platform, Postman