

# SHREYAS MONTADKA

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## EDUCATION

<b>RV Institute Of Technology And Management / B.tech</b> <i>Information Science Engineering - CGPA - 7.56</i>	<b>12 2021 – Present</b> <i>Bengaluru, India</i>
<b>Jnana Sweekar PU College</b> <i>State board - 11th-12th - Percentage - 88.93%</i>	<b>05 2019 – 07 2021</b> <i>Bengaluru, India</i>
<b>Delhi Public School, South</b> <i>CBSE board - LKG-10th - Percentage - 90.6%</i>	<b>2007 – 2019</b> <i>Bengaluru, India</i>

## SKILLS & TECHNOLOGIES

**Languages:** JavaScript, TypeScript, Java

**Technologies/Frameworks:** React.js, Next.js, Node.js, Express.js, Fastify, GraphQL.

**Databases:** MongoDB, MySQL, Redis

**Tools/Platform:** Git, Docker (Basics), AWS (Basics)

## PROJECTS

**AI Programming Tutor with Real-Time GPT** [↗](#) | [Next Js](#), [OpenAI GPT-4o Realtime API](#) **05 2025**

- Built an interactive AI coding tutor using GPT-4o Realtime API with voice and text support.
- Integrated CodeMirror, Piston API for live code execution and evaluation, allowing users to test and refine their code within the app.
- Personalized lessons based on selected language and skill level, with real-time feedback and exercises.

**URL Shortener Backend** [↗](#) | [Node.js](#), [Fastify](#), [Redis](#), [MongoDB](#), [Cloudinary](#) **03 2025**

- Built a high-performance URL shortener using Node, Fastify, Redis, and MongoDB, optimizing response speed and ensuring scalability for high traffic loads.
- Implemented Redis-based rate limiting, preventing API abuse and enhancing security
- Generated QR codes and stored them securely in Cloudinary for efficient retrieval and sharing.
- Developed an analytics system to track click counts, first/last access times, and device types, providing real-time insights for users

**eCommerce website** [↗](#) | [React.js](#), [Node.js](#), [Express.js](#), [MongoDB](#), [Cloudinary](#) **05 2024**

- Developed a responsive MERN stack e-commerce application
- Designed an easy-to-navigate user interface, enhancing accessibility across all devices.
- Integrated Cloudinary for scalable and efficient image storage
- Integrated Razorpay for secure and real-time payment processing

## INTERNSHIP EXPERIENCE

**Early-Stage Startup (Confidential) — SDE Intern** **04 2025 - Present**

- Developed a prototype for an AI Sales Coach using React and OpenAI's GPT-4o
- Integrated text, audio, and video input, enabling multi-modal user interaction and enhancing training effectiveness.
- Used TensorFlow.js for smile detection in video input to analyze user engagement.
- Integrated Cloudinary for storing and retrieving user recordings for playback.
- The prototype was built to validate product vision and demonstrated to potential customers/investors.