

RIKIT SAH

GBD Hall of Residence, NIT Rourkela, Odisha 79008

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Education

National Institute of Technology, Rourkela

Bachelor of Technology in Computer Science and Engineering (CGPA - 6.48)

August 2023 – Present

Rourkela, Odisha

United Academy

+2 with PCM (CGPA: 2.90/4.0)

Aug 2020 – May 2022

Kathmandu, Nepal

United School, Lalitpur

SEE – NEB (CGPA: 3.75/4)

Jun 2020

Lalitpur

Relevant Coursework

- Data Structures
- Database Management
- Object Oriented Programming
- Algorithms

Projects

PDF to Quiz Generator

August, 2025

GitHub

NextJS, Vercel AI SDK, React, Node.js

- Developed an interactive **PDF-to-quiz generator** application leveraging the Vercel AI SDK with Next.js, enabling users to submit PDF documents and auto-generate quizzes using advanced AI models (Google or Anthropic).
- Implemented seamless document ingestion via the `useObject` React hook, supporting robust PDF parsing and efficient quiz question generation, resulting in a dynamic learning tool.
- Built a streamlined onboarding experience with clear usage guides, supporting setup via `create-next-app`, and customized environment management using provided `.env` templates.
- Ensured extensibility with a modular architecture, allowing connection to different AI providers and easy adaptation for various educational use-cases.

Hume AI – Empathic Voice Interface Starter

August, 2025

GitHub

NextJS, Hume React SDK, Vercel, Node.js

- Built an **empathic voice interface** sample leveraging Hume's React SDK within a Next.js framework, enabling real-time voice conversation experiences with contextual emotion understanding.
- Implemented a streamlined deployment workflow with one-click Vercel integration, allowing users to rapidly clone and launch the application.
- Offered guided onboarding and clear step-by-step setup instructions, facilitating easy experimentation and customization for developers exploring empathetic conversational AI features.
- Ensured extensibility by architecting the starter app for plug-and-play incorporation of Hume's Empathic Voice technology in diverse Next.js projects.

Customer Reviews AI Summary

August, 2025

GitHub

NextJS, Vercel AI SDK, Perplexity API, Node.js

- Developed an **AI-powered customer reviews summarizer** for e-commerce storefronts using Next.js and Vercel AI SDK, transforming raw customer feedback into concise sentiment overviews via large language models.
- Enabled automatic aggregation and visual display of review summaries alongside the original input, allowing users to quickly gauge overall product sentiment without reading individual comments.
- Integrated Perplexity's inference API for LLM-based summaries, with flexible support for alternative models through modular back-end architecture.
- Streamlined developer setup with minimal configuration, supporting quick deployment and extensibility for various retail and feedback-driven applications.

Technical Skills

- **Languages and Frameworks:** Python, C++, C, Java, JavaScript (ES6+), Bash
- **Developer Tools:** VS Code, Git, Vercel, Linux
- **Technologies/Frameworks:** NextJS, Tailwind, OpenCV, NodeJS

Extracurricular Activities

Nitrutsav

November 2024

Coordinator

NIT Rourkela

- Helped the social media team reach to 200 thousands account and build a reputable brand in the event space.