

# 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**

*NextJS, Vercel AI SDK, React, Node.js*

*GitHub*

- 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**

*NextJS, Hume React SDK, Vercel, Node.js*

*GitHub*

- 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 empathic 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**

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

*GitHub*

- 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.