

Koushik S Rai

FullStack Developer
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EDUCATION

Sahyadri College of Engineering and Management, Mangaluru <i>Bachelor of Engineering</i>	Nov. 2022 – Present
Sarojini Madhusudan Kushe College, Mangaluru <i>12th Board - Science (PCMC)</i>	Jun. 2020 – Jun. 2022

SKILLS SUMMARY

Backend: Node.js, Express.js, Flask

Frontend: React.js, Next.js, Gatsby, HTML, CSS, Tailwind CSS

Programming Languages: Java, Python, JavaScript, TypeScript, SQL

Tools & Technologies: MongoDB, AWS (Lambda, S3), Docker, Netlify, Git, GitHub, VS Code, IntelliJ

PROJECTS

VCrypt Tracker

Cryptography Project

[project-link](#)

React, Schnorr algorithm, JavaScript, Styled Components, Material UI

- Created React app to get real-time updates on cryptocurrencies.
- Built React API and deployed React front end, improving real-time refresh accuracy%.

EduConnect

Educational Web Platform

[project-link](#)

TypeScript, Next.js, Tailwind CSS, Node.js, Express.js, Flask, WebRTC, Firebase

- Developed a Platform having Forum to discuss educational content and private chatroom system to discuss among group of friends.
- Integrated personalized chatbot for doubt clearance and custom flashcard and recommendations for Educational resources available on the internet.
- Built web app to enhance interaction and collaboration for effective learning.

MedSynk

Healthcare Project

[project-link](#)

TypeScript, Next.js, Express.js, Node.js, MongoDB and Google Maps API

- Developed real-time Ambulance tracking app used for emergencies.
- Engineered MongoDB backend with optimized queries, increasing data speed by 30%.
- Tracks and updates real-time bed availability in registered hospitals.

VOLUNTEERING EXPERIENCE

Sahyadri Open Source Community

Community member

March 2023 – June 2024

- Conducted workshops and mentored participants in building full-stack projects and guided 50+ learners in Git foundations.
- Volunteered DevHost 2024, hosting 30+ industry speakers and attracting 1000+ attendees over the course of 3 days.

Google Developers Group (GDG)

Community member

Nov. 2024 – Dec. 2024

- Managed hospitality for GDG Fest Mangaluru with 200+ attendees.