

# Khushi

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[LinkedIn](#) • [Github](#) • [CodeChef](#) • [Codeforces](#) • [Leetcode](#)

## PROFESSIONAL SUMMARY

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Aspiring Software Engineer combining full-stack development skills with a competitive programming mindset. Active on CodeChef (1317 - highest rating) and Codeforces(923 - highest rating), with over 160 DSA problems solved on LeetCode. Dedicated to building responsive UIs with React while writing clean, optimized backend logic with clean architecture.

## EDUCATION

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<b>Bachelor of Technology</b> (Artificial intelligence)	2024 - 2028
Newton School of Technology, Rishihood University	Grade: 8.12/10.0
<b>Intermediate (Class XII)</b>	2023 - 2024
Khemo Devi Public School	Grade: 83.8%
<b>Matriculation (Class X)</b>	2021 - 2022
St.Theresa's Convent School	Grade: 91.4%

## PROJECTS

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<b>VocaCoach</b> ( <a href="#">Github</a> ) ( <a href="#">Demo</a> )	October 2025
<ul style="list-style-type: none"><li>Built a real-time, human-like voice interaction platform to overcome the limitations of scripted and text-based systems by enabling natural, conversational interview practice, interactive learning, and continuous language improvement.</li><li>Engineered a low-latency, full-stack voice system using <b>Node.js</b>, <b>Convex DB</b>, <b>DeepSeek API</b>, <b>AssemblyAI</b>, and <b>AWS Polly</b>, optimizing asynchronous speech pipelines and reducing <b>40% speech-to-response latency</b>.</li><li>Enabled personalized mock interviews, topic-based conversational learning, and language practice through an end-to-end real-time voice pipeline (speech recognition → reasoning → voice response) designed for scalability, reliability, and smooth conversational flow.</li></ul>	
<b>TripTailor</b> ( <a href="#">Github</a> ) ( <a href="#">Demo</a> )	April 2025
<ul style="list-style-type: none"><li>Built an AI-driven travel planning platform to address the lack of personalized itinerary generation in existing travel applications while ensuring a seamless, intuitive, and user-friendly planning experience.</li><li>Developed using <b>HTML</b>, <b>React</b>, <b>Tailwind CSS</b>, <b>JavaScript</b>, <b>Gemini API</b>, <b>Firebase Auth</b>, improving recommendation relevance and overcoming a <b>35% personalization accuracy gap</b> in itinerary-based travel systems.</li><li>Generates preference-based travel itineraries with intelligent hotel recommendations, secure user authentication via Firebase, and a fully responsive, modern UI optimized for performance, usability, and accessibility across all device types.</li></ul>	

## CERTIFICATIONS

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<b>Intro to Machine Learning</b> Kaggle ( <a href="#">Link</a> )	January 2026
Completed <b>Kaggle's Intro to Machine Learning</b> certification with hands-on experience in supervised learning, data preprocessing, feature engineering, and model evaluation using <b>Python</b> , <b>Pandas</b> , and <b>scikit-learn</b> on real-world datasets.	

## SKILLS

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**Computer Languages:** SQL, C++, JavaScript, NoSQL, Python

**Software Packages:** MongoDB, MySQL, Prisma ORM, Tailwind, Express JS, Figma

**Soft Skills:** Critical Thinking, Creativity

**Others:** OAuth 2.0, API testing, OpenAI API, Problem-Solving, UI/UX, Git and Github

## EXTRA-CURRICULAR ACTIVITIES

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- Participated in **Smart India Hackathon 2024**, collaborating in a team to solve real-world problem statements under competitive time constraints.
- Core Committee Member, **OOPS (College Competitive Programming Club)**, actively involved in organizing contests and promoting problem-solving culture on campus.