

# MOHAMMAD SHAHNAWAZ KHAN

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## Education

<b>Graphic Era Deemed to be University, Dehradun</b> <i>B.Tech in Computer Science &amp; Engineering</i>	<b>2023 - 2027 (Expected)</b> 8.65/10 CGPA
<b>St. Don Bosco College, Lakhimpur</b> <i>Senior Secondary (Class 12), CBSE - PCM</i>	<b>2021 - 2022</b> 86/100
<b>St. Don Bosco College, Lakhimpur</b> <i>Secondary (Class 10), CBSE</i>	<b>2019 - 2020</b> 95.6/100

## Work Experience

<b>Festovee</b> <i>Frontend Developer (Intern)</i>	<b>September 2024 - February 2025</b>
<ul style="list-style-type: none"><li>Developing and maintaining the <b>Festovee mobile application</b> using <b>React Native with TypeScript</b>, improving app stability and reducing crash rates by <b>40%</b>.</li><li>Integrated <b>REST APIs</b> and optimized rendering processes, reducing load times by approximately <b>30%</b> and improving data-fetch efficiency.</li><li>Designed, developed, and deployed the <b>Festovee promotional website</b>, increasing brand visibility and driving <b>20% more user sign-ups</b>.</li></ul>	

## Projects

<b>ReelCall</b> <i>Flutter, FastAPI, Llama 3, Whisper, FFmpeg</i>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Built an Instagram "Second Brain" using a <b>RAG</b> pipeline, optimizing a Top-5 retrieval window to prevent hallucinations and cut token costs.</li><li>Integrated <b>Groq's Llama 3 &amp; Whisper</b>, achieving <b>sub-2s latency</b> for transcription; tested across <b>3 languages</b>.</li><li>Automated media processing via <b>FFmpeg &amp; yt-dlp</b>, handling <b>50+ audio formats</b> with zero manual input.</li></ul>	
<b>MacroScope</b> <i>Flutter, Google ML Kit, Firestore</i>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Automated macronutrient logging using <b>Gemini</b> and <b>ML Kit OCR</b> across 3 input modes (scan, type, custom) to eliminate 100% of manual entry.</li><li>Built an offline-first data pipeline with <b>Hive and Firestore</b>, enabling 100% offline functionality for 2 platforms (Android &amp; iOS).</li><li>Developed a <b>real-time</b> ingredient safety scanner that flags harmful additives across 4 global regulatory standards (USA, UK, EU, India).</li></ul>	
<b>Scriptura AI</b> <i>Flask, Python, React.js, LangChain</i>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Built a <b>GenAI-powered tool</b> that transforms GitHub repos into hosted sites, cutting documentation time by <b>60%</b>.</li><li>Automated <b>Mermaid diagrams</b> and algorithm explanations via signature parsing, boosting onboarding clarity by <b>80%</b>.</li><li>Developed a <b>VS Code extension</b> to generate docstring-format documentation, reducing manual context-switching by <b>50%</b>.</li></ul>	

## Technical Skills

**Languages:** Python, C, C++, JavaScript, TypeScript, Dart  
**Backend:** Django, Flask, FastAPI, Node.js, Express.js  
**Frontend:** React, ReactNative, Next.js, TailwindCSS, HTML, CSS  
**Databases:** MySQL, MongoDB  
**Cloud Services:** AWS, GCP  
**Developer Tools:** Postman, VS Code, GitHub

## Honors and Awards

<b>Silver Medal - Worlds Skills India Regional Competition</b> <i>Mobile Application Development</i>	<b>March 2025</b> <i>Secured Second Place in North Region</i>
<b>Winner - HackVeda Hackathon</b> <i>Sponsored by AWS and IBM</i>	<b>January 2026</b> <i>IILM University, Noida</i>
<b>Gold Medal - Uttarakhand Skills Competition</b> <i>Mobile Application Development</i>	<b>December 2025</b> <i>Secured First Place in Uttarakhand</i>
<b>Finalist - CodeClash 2.0</b> <i>Secured a Top 10 rank among 1000+ Teams Registered</i>	<b>April 2025</b> <i>Google Office, Gurugram</i>
<b>Winner - Game Jam at IIT Ropar</b> <i>Advitiya - (180+ Registrations)</i>	<b>February 2025</b> <i>Secured First Place</i>
<b>Runner Up</b> <i>Hack the Hills - 24-Hour Hackathon (50+ Teams)</i>	<b>November 2023</b> <i>DIT University, Dehradun</i>