

# ROHIT KHANDELWAL

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## Summary

B.Tech student in Computer Science and Engineering skilled in Data Structures and Algorithms (DSA), C++ and JavaScript. Experienced in developing full-stack web and AI/ML applications using React, Node.js, Express.js, and MongoDB. Participated in over 15 hackathons, demonstrating teamwork, problem-solving, and leadership abilities.

## Skills

**Programming:** C++, JavaScript, Python, Java, PHP

**Development:** React Native, React.js, Node.js, Express.js, MongoDB, Tailwind CSS, HTML, CSS

**Tools:** Git, GitHub, Jupyter Notebook, Firebase, Google Cloud Platform (GCP)

**CS Fundamentals:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Operating Systems (OS), Computer Networks (CN)

**Soft Skills:** Leadership, Communication, Team Collaboration, Adaptability

## Projects

**Vaani** | *React Native, TypeScript, React Native Voice, Android SDK* [↗](#)

October 2025 – Present

- Created **Vaani**, an AI-powered mobile app that converts speech into text in real time, helping **deaf and hard-of-hearing users** communicate more easily in daily life.
- Optimized the speech-to-text model to generate simplified text in **15 Indian languages**, ensuring accessibility and clarity for users with different literacy backgrounds.
- Architected a **floating caption overlay** using **React Native Voice** and Android APIs, enabling live captions across apps with **95%+ accuracy** and sub-500ms latency.

**MeriCity** | *React.js, Node.js, Express.js, MongoDB, Google Auth* [↗](#)

September 2025 – October 2025

- Built **MeriCity**, a **municipal complaint management system** for efficient issue reporting and resolution.
- Integrated **text, image, and voice-based submissions** with **auto-GPS tagging** and **AI-generated complaint summaries** for efficient categorization.
- Revamped the **interface experience** to enhance **citizen engagement, transparency, and efficiency by 50%** in civic issue resolution.

**DermaSense** | *Python, Model Training, Flask, JavaScript* [↗](#)

February 2025 – March 2025

- Innovated a **deep-learning based tool** to detect **skin diseases from images**, empowering users with early diagnosis.
- Trained and fine-tuned **image-based disease prediction** using a deep learning model trained on a **custom dataset**.
- Engineered an intuitive web interface enabling seamless image uploads and instant analysis for enhanced usability and faster diagnostics.

## Achievements & Certifications

- MERN Stack with Gen AI – W3grads (2025):** Acquired hands-on experience with MongoDB, Express.js, React, and Node.js for full-stack web development.
- Data Structures and Algorithms in C++, Splen Technologies (Summer Training, 2025):** Strengthened problem-solving ability and proficiency in data structures and algorithms using C++.
- OCI AI Foundations - Oracle (2025):** Gained fundamental concepts of AI, ML, Deep Learning, and Generative AI with practical exposure on Oracle Cloud Infrastructure (OCI).
- Participated in 15+ hackathons, **winning 3** with innovative and impactful project solutions that addressed real-world challenges.
- Solved **350+ DSA problems** across platforms - [Codolio](#).
- 1600+** rating in LeetCode.

## Education

**B.Tech in Computer Science and Engineering**

August 2023 - August 2027

*Lovely Professional University, Phagwara*

*CGPA: 7.8 / 10*

**Class XII (Senior Secondary), RBSE**

May 2021 - April 2022

*Sony Academy, Bharatpur*

*Percentage: 89%*