

# Sukhman Gill

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## EDUCATION

### BACHELOR OF SCIENCE

#### COMPUTER SCIENCE

Graduation Year: 2025

Guru Nanak Dev Engineering College  
Ludhiana, India

## SKILLS

### FRONTEND DEVELOPMENT

HTML • CSS • ReactJS

### PROGRAMMING LANGUAGES

Python • C • C++

### FRAMEWORKS/LIBRARIES

React • Redux Toolkit

### WEB TECHNOLOGIES

WebRTC • JavaScript

Firebase • ElasticUI

### DEVOPS

Docker • Jenkins

Git • Github

### OPERATING SYSTEMS

Windows • Mac

### COMMUNICATION

Complex Idea Translation

Effective Presentations

### LANGUAGES

English (Business Professional)

Hindi (Business Professional)

Punjabi (Native Language)

### HACKATHON

Participated in TechHack 4.0 Hackathon

## CERTIFICATES

cloud computing with AWS

[Certificate Link](#)

software development and IT operation -

DEVOPS

[Certificate Link](#)

workshop on virtual lab

[Certificate Link](#)

techhack4.0

[Certificate Link](#)

google developers student club

[Certificate Link](#)

## EXPERIENCE

### • FRONTEND DEVELOPER

Spearheaded collaborative efforts with cross-functional teams to design and implement responsive web interfaces; translated design mockups into clean HTML/CSS code, implementing interactive features and animations to enhance user engagement and experience.

### • DEVOPS ENTHUSIAST

Implemented DevOps principles, utilizing Docker for containerization and Jenkins for continuous integration, to optimize software development processes.

## PROJECTS

### COLLEGE CONNECT (ONGOING) STACK: MERN

PROBLEM: INEFFICIENT COLLEGE COMMUNICATION

PROBLEM STATEMENT: LACK OF EFFICIENT COMMUNICATION AND COLLABORATION WITHIN COLLEGE COMMUNITY.

SOLUTION: DEVELOPING A COLLEGE CONNECTIVITY PLATFORM TO FACILITATE BETTER COMMUNICATION AND COLLABORATION AMONG STUDENTS, FACULTY, AND STAFF.

[VIEW DEPLOYED PROJECT](#)

### HOSPITAL MANAGEMENT SYSTEM STACK: MERN

DURATION: 1 MONTHS

PROBLEM: INEFFICIENT HOSPITAL MANAGEMENT

SOLUTION: DEVELOPED A COMPREHENSIVE HOSPITAL MANAGEMENT SYSTEM WITH FEATURES LIKE PATIENT MANAGEMENT, APPOINTMENT SCHEDULING, AND INVENTORY MANAGEMENT.

[VIEW DEPLOYED PROJECT](#)

### ONLINE MEETING APP STACK: REACT, WEBRTC, FIREBASE

DURATION: 1 MONTHS

PROBLEM: NEED FOR RELIABLE ONLINE MEETINGS

SOLUTION: DEVELOPED A COMPREHENSIVE HOSPITAL MANAGEMENT SYSTEM WITH FEATURES LIKE PATIENT MANAGEMENT, APPOINTMENT SCHEDULING, AND INVENTORY MANAGEMENT.

[VIEW DEPLOYED PROJECT](#)

### SPEECH-TO-TEXT APP STACK: PYTHON

DURATION: 10 DAYS

PROBLEM: EFFICIENT SPEECH-TO-TEXT CONVERSION

PROBLEM STATEMENT: CONVERT SPOKEN WORDS INTO TEXT EFFICIENTLY.

SOLUTION: DESIGNED AND DEVELOPED A PYTHON APPLICATION USING SPEECH RECOGNITION LIBRARIES TO CONVERT AUDIO INPUT INTO TEXT.

[VIEW DEPLOYED PROJECT](#)

## WORKSHOPS/TRAINING

### QUANTUM COMPUTING TRAINING WORKSHOP

### SUMMER TRAINING IN CLOUD COMPUTING WITH AWS

Techgyan Technologies in collaboration with Avenues, IIT Bombay