

# 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

### TOOLS/SOFTWARE

• Slack, • Jira

• Git • Github

### DEVOPS

• Docker, • Jenkins

### 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

## PORTFOLIO

[Link](#)

## 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.

### • SEMANTIC WEB & RDF BASICS TRAINING

Week 1-4, 2024

Developed foundational skills in the Semantic Web, mastering the concepts of RDF (Resource Description Framework), OWL (Web Ontology Language), and SPARQL. Applied these skills to model and query data in a structured and interconnected manner, enabling more efficient data integration and retrieval

## PROJECTS

### HEALTH MATRIX STACK: MERN, PYTHON

DURATION: ONGOING

PROBLEM: DIFFICULTY MANAGING AND ANALYZING PERSONAL MEDICAL REPORTS.

SOLUTION: A PLATFORM FOR USERS TO UPLOAD, STORE, AND COMPARE MEDICAL REPORTS, ASK QUESTIONS BASED ON THE DATA, AND GENERATE GRAPHS FOR EASY HEALTH TRACKING.

[VIEW DEPLOYED PROJECT](#)

### COLLEGE CONNECT STACK: MERN

PROBLEM: 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](#)

### 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|

### SEMANTIC WEB RDF BASICS