

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

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

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

SEMANTIC WEB RDF BASICS