

Sukhman Gill

GitHub | LinkedIn | sukhmangill977@gmail.com | 9779442707

EDUCATION

BACHELOR OF TECHNOLOGY COMPUTER SCIENCE AND ENGINEERING

Graduation Year: 2025

Guru Nanak Dev Engineering College

SKILLS

FRONTEND DEVELOPMENT

HTML • CSS • ReactJS

PROGRAMMING LANGUAGES

Python • C • C++

FRAMEWORKS/LIBRARIES

React • Redux Toolkit • WebRTC

WEB TECHNOLOGIES

• JavaScript • Firebase • ElasticUI

TOOLS/SOFTWARES

• Slack • Jira • Git • Github

DEVOPS

• Docker • Jenkins • AWS

OPERATING SYSTEMS

Windows • Mac

COMMUNICATION

Complex Idea Translation

Effective Presentations

LANGUAGES

English • Hindi • Punjabi

HACKATHON

Participated in TechHack 4.0 Hackathon

PUBLICATIONS

• Integrating Semantic Web Technologies and Web 3.0 to Shape the World Wide Web (www) Journal Name: International Journal of Computer Science and Management Studies (IJCSMS)

• Revolutionizing Healthcare: Leveraging AI and NLP to Empower Patients with Smarter, Data-Driven Medical Insights Journal Name: International Journal of Computer Applications (IJCA)

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](#)

mastering the semantic web

[Certificate Link](#)

AWS Academy Graduate

[Certificate Link](#)

HTML, CSS, JavaScript, React course

[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: 2 MONTHS

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| SEMANTIC WEB RDF BASICS

PORTFOLIO

[Link](#)