

# Gundeep Singh

Full stack developer| Web Developer  
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## EDUCATION

### BACHELOR OF TECHNOLOGY

COMPUTER SCIENCE AND ENGINEERING

Graduation Year: 2025

Guru Nanak Dev Engineering College

## SKILLS

### PROGRAMMING LANGUAGES

•Python • C • C++

### FRAMEWORKS/LIBRARIES

•React • Redux Toolkit • CI/CD

### WEB TECHNOLOGIES

•WebRTC • JavaScript •HTML5

•Firebase •Bootstrap• ElasticUI

### TOOLS/SOFTWARES

•Slack, • Jira •Git• Github

### DEVOPS

•Docker, • Jenkins

### DATABASE

•MySQL • MongoDB

### API TESTING

•Postman

### CLOUD COMPUTING

•AWS•SaaS applications • Docker

### OPERATING SYSTEMS

•Windows • Linux • Mac

### COMMUNICATION

Complex Idea Translation Effective  
Presentations

### 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](#)

EICT Academy, IIT Kanpur Summer  
Training Certificate

[Certificate Link](#)

techhack4.0

[Certificate Link](#)

Industrial Training in artificial Intelligence

[Certificate Link](#)

HTML,CSS,JavaScript,React course

[Certificate Link](#)

## EXPERIENCE

### • INDUSTRIAL SOFTWARE AND DEVOPS

July 3rd to July 28th, 2023

### • DATA ANALYTICS AND INFORMATION SECURITY

Nov 3rd, 2023

### • SEMANTIC WEB RDF BASICS TRAINING

Week 1-4, 2024

## 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](#)

### DSA VISUALIZER STACK: REACT,JAVASCRIPT

DURATION: 1 MONTHS

PROBLEM:DIFFICULTY IN UNDERSTANDING COMPLEX ALGORITHMS DUE TO THEIR  
ABSTRACT NATURE.

SOLUTION: AN INTERACTIVE PLATFORM THAT VISUALLY DEMONSTRATES KEY  
ALGORITHMS STEP-BY-STEP, MAKING IT EASIER FOR USERS TO UNDERSTAND THEIR  
LOGIC AND BEHAVIOR.

[VIEW DEPLOYED PROJECT](#)

### REAL-TIME CHAT APPLICATION IMPLEMENTED USING MERN STACK

DURATION: 15 DAYS

PROBLEM STATEMENT: NEED FOR A REAL-TIME CHAT APPLICATION

SOLUTION: DEVELOPED A REAL-TIME CHAT APPLICATION USING THE MERN STACK  
TO FACILITATE INSTANT MESSAGING AND COMMUNICATION.

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### FAKE NEWS DETECTION IMPLEMENTED MACHINE LEARNING MODEL

DURATION: 15 DAYS

PROBLEM STATEMENT: PROLIFERATION OF FAKE NEWS ARTICLES

SOLUTION: DEVELOPED A MACHINE LEARNING MODEL TO DETECT FAKE NEWS  
ARTICLES, AIDING IN PROMOTING INFORMATION AUTHENTICITY.

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## PORTFOLIO

[Link](#)

## WORKSHOPS/TRAINING

### QUANTUM COMPUTING TRAINING WORKSHOP|

### SUMMER TRAINING IN CLOUD COMPUTING WITH AWS|

### SEMANTIC WEB RDF BASICS|

### LANGUAGES

English •Hindi •Punjabi