

# Kuldeep Singh

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LinkedIn Profile - [Kuldeep Singh](#) , Leetcode Profile - [iamkuldeep](#) , Github Profile - [iamkuldeep05](#)

## EDUCATION

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### Netaji Subhas University of technology

Master of Technology

Major in Computer Science and Engineering

Cumulative GPA: 7.5/10.0

Relevant Coursework: Intro to ML,Blockchain, Distributed System

New Delhi, India

Aug 2023 - Aug 2025

### Guru Gobind Singh Indraprastha University

Bachelor of Technology

Major in Computer Science and Engineering

Cumulative GPA: 8.45/10.0

Relevant Coursework:Data Structures, SQL, Algorithms, Operating System, Computer Networks

New Delhi, India

Aug 2018 - Aug 2022

## WORK EXPERIENCE

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### Freelance Software Developer

Remote, Apr 2022 – Present

- Delivered 10+ software solutions leveraging Python, C++, and JavaScript, improving workflows by 30%.
- Designed interactive web applications using ReactJS, HTML, and CSS, ensuring seamless experiences.
- Optimized SQL databases and integrated APIs, achieving 95% client satisfaction.

### CodeSpeedy Technology Private Limited

Remote, New Delhi, India

Python and C++ Programmer Intern

Feb 2020 – Mar2020

- Authored and published 20+ technical programming tutorials on Python and C++, enhancing online coding resources.
- Developed expertise in algorithms, data structures, and problem-solving techniques, ensuring high-quality content.
- Collaborated with the editorial team to align with industry standards, improving user engagement and maintaining content clarity.

## PROJECTS

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### Blockchain based Healthcare Recommender System || *Technologies: Python, Machine Learning, Blockchain* [\[Sourcecode\]](#)

- Integrated Random Forest Classifier (RFC) with 96% accuracy to recommend medicines based on patient symptoms, improving the precision of healthcare predictions and treatment suggestions significantly
- Engineered Flask-based RESTful APIs for efficient data transactions.
- Transformed a 500+ record Kaggle dataset for robust training, ensuring high-accuracy recommendations.
- Implemented blockchain technology, enhancing data security and integrity with 100% tamper-proof records.

### CPU-Scheduling-Algorithms || *Technologies: C/C++*

- Implemented 7 CPU scheduling algorithms in C++, including FCFS, Round Robin, SPN, SRT, HRRN, and Feedback with varying time quantum, achieving a 95% code efficiency.
- Analyzed performance metrics for each algorithm through simulations, reducing average waiting time by 30% and optimizing CPU utilization by 25%.

## TECHNICAL SKILLS

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**Languages:** C/C++, Python, Javascript,MySQL, C++ STL

**Database Management:**MYSQL, SQL

**Frontend Frameworks :** ReactJS, HTML, CSS

**Coursework:** Data Structures,Algorithms,OOPs,Operating System

**Others:** Git, Github, jupyter Notebook

## COURSES, CERTIFICATIONS AND MISCELLANEOUS

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- Published Research Article: "Maverick Voice Assistant Using Python" in IJRASET, also available on IEEE.
- Completed 'Introduction to C++' course from "Coding Ninjas". | [\[Certificate\]](#)
- Completed 'Data Structures in C++' course from "Coding Ninjas". | | [\[Certificate\]](#)