

# Saksham Kumar

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## EDUCATION

### CHANDIGARH UNIVERSITY

BE IN COMPUTER SCIENCE

June 2024 | Mohali, India

CGPA : 7.44

### GAYA COLLEGE

SCIENCE - PCM

May 2020 | Gaya, India

Percentage : 69.6

### DAV PUBLIC SCHOOL

May 2018 | Gaya, India

Percentage : 71.67

## COURSEWORK

### UNDERGRADUATE

Data Structure and Algorithms  
Design and Analysis of Algorithms  
Object Oriented Programming  
Web and Mobile Security  
Operating System  
Data Visualization  
Database Management System  
Big Data Analytics  
Computer Networks  
Software Engineering

## SKILLS

### PROGRAMMING

#### LANGUAGES:

- Advance - C++, JavaScript
- Intermediate - C, Java
- Novice - Python

#### DEVELOPER TOOLS:

- Git • GitHub • Postman • XAMPP • MySQL • Burp Suite • Vercel • Netlify

#### TECHNOLOGIES:

- HTML • CSS • SQL • MongoDB

#### FRAMEWORK AND LIBRARY:

- NodeJS • Express
- ReactJS • NextJS
- Tailwind • Bootstrap
- Socket.io • UUID
- jQuery • JSON

## PROJECTS

### FILES SHARING SYSTEM | HTML, CSS, JAVASCRIPT, EXPRESSJS, NODEJS, MONGODB, AJAX, APIS

March 2023 – April 2023

- Architected a secure file-sharing platform that streamlined document collaboration, enhancing accessibility for teams; integrated real-time notifications which reduced file retrieval time.
- Developed a comprehensive upload system that allows users to copy download links directly to the clipboard and automatically email those links.

### REAL-TIME CODE EDITOR | JSX, CSS, EXPRESSJS, SOCKETIO, REACTJS, UUID

Jan 2023 – Feb 2023

- Engineered a fully functional Real-time Code Editor, integrating ReactJS and ExpressJS, which implemented the coding process for over 50 developers, enhancing overall productivity and collaboration within the team.
- Introduced a feature for real-time code synchronization that enabled 10 simultaneous users to edit code; promoted workflows, leading to a 50 percent faster feedback loop during development cycles.

### IMBD CLONE | NEXTJS, APIS

July 2022 – Aug 2022

- Implemented an innovative feature using the TMDB API to automatically refresh trending movies and series.
- Created an interactive user interface with the Next.js framework, integrating real-time data fetching from APIs; improved user navigation experience.

## TRAINING

### ETHICAL HACKING | INTERNSHALA

May 2022 – October 2022

- Analyzed security protocols within the InternShala environment, identifying 10 actionable insights that were presented in a comprehensive report.
- Developed and deployed an advanced training curriculum featuring SQLMap, Burp Suite, and PHP Shell, resulting in an increase in participant proficiency and a significant reduction in error rates during security assessments.

## CERTIFICATION

- Introduction To NoSQL Databases - Coursera
- Data Structures in C - Great Learning
- Software Testing, Data Mining - NPTEL

## EXTRACURRICULAR

- Spearheaded the planning and execution of CU-Fest 2023, coordinating logistics for over 500 attendees, **leading a team** of 15 volunteers, and **securing sponsorships** which increased event funding.
- Developed promotional materials and outreach strategies that attracted 50+ new participants for the annual sports day; improved event visibility through targeted **social media campaigns**, resulting in notable **community engagement**.