

# Sourabh Suman

IIT Kanpur'22  
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## Academic Qualifications

Educational Qualification	Institute	Year	CPI/%
B.Tech	Indian Institute of Technology Kanpur	2022	6.4/10
CBSE(XII)	Chinmaya Vidyalaya, Bokaro	2017	94 %
ICSE(X)	Mount Assisi, Bhagalpur	2015	96.8 %

## Technical Skills

- **Programming/Scripting Languages:** JavaScript, C, C++, HTML5, CSS3
- **Technologies/Softwares:** React, React Native, Typescript, NodeJS, MongoDB, Express, Firebase
- **Relevant Coursework:** DS and Algorithms, Fundamentals of Computing, Computational Methods in Engineering

## Work Experience

- **Software Development Engineer-1 (Frontend) : QuickSell** Aug'22-Mar'23
  - Developed a CRM website working in collaboration with the engineering team focused on sales, marketing and customer support through WhatsApp Business API
  - Redesigned and improved the existing micro e-commerce on CRM website with a high performant one which led to more conversions due to simpler and intuitive UI
  - Redeveloped the user onboarding flow on CRM website allowing users to test out features using demo account
  - Designed and developed an order flow enabling e-commerce product order management directly in customer chat that also updates over android and ios apps in real time
  - Employed Jotai for complex state management and virtualized lists to improve the user experience
- **Frontend Developer Intern : QuickSell** Jan'22-Mar'22
  - Worked on redesigning and developing the transaction flow on the business catalogue website which led to steady improvements across the funnel and conversions nearly doubled
  - Developed several features in micro react app that can be used in WebViews, iFrames, and native mobile apps
  - Implemented technologies like React js, Next js, CSS, Javascript, JSX, TSX, Typescript, React Router
- **Full-Stack Developer and UI/UX Intern : KhetiPoint** Jun'20 - Dec'21
  - Setup a schemaless crop library on Cloud Firestore supporting entries in 3 different languages involving several collections and subcollections of varying complexity and employed queries for handling them
  - Developed and deployed an admin portal with secure login using Firebase Auth, varying level of access defined by admin roles and a user friendly dashboard allowing consistent CRUD operations to the crop library
  - Designed the logo and created user flows, wireframes, mockups and prototypes for the KhetiPoint mobile app

## Key Projects

- **Freedom Blogging** Mar'20-May'20  
*Designed and developed an SEO optimised community blogging platform* [Github](#) | [Website](#)
  - Ranked several blogs in the top 5 google search results with the SEO friendly web design
  - Implemented CRUD functionality using REST API built on express framework for NodeJS with MongoDB
  - Created secure user authentication with password encryption resulting in persistent sessions and facilitating user permissions
- **Sudoku-Playground** May'21-July'21  
*Interactive sudoku puzzle solver with different sizes and levels* [Github](#) | [Website](#)
  - Devised a randomised Las Vegas algorithm and utilised diverse hole digging strategy with equivalent propagation to form sudoku puzzles in Javascript with varying levels of difficulty
  - Employed backtracking algorithm for solving the puzzles, designed an interactive interface and provided the users with an option to watch the algorithm solve the puzzle in real time
- **Sorting-Visualiser** Dec'20-Jan'21  
*Built and deployed a comprehensive sorting visualiser* [Github](#) | [Website](#)
  - Employed merge sort algorithm using an auxiliary array with copying data eventually saving memory and sorting huge arrays quicker than the conventional divide and conquer
  - Designed comprehensive and intuitive comparison animations for the sorting visualiser, built using React and Express and deployed on Netlify via Github

## Positions of Responsibility

- **Coordinator, Fine Arts Club, IIT Kanpur** Apr'19-Mar'21
  - **Leadership** - Recruited and led a team of 25 secretaries for conducting events throughout the year and guided the secretaries for successful conduction of events during Freshers Orientation and Antaragni '19
  - **Management** - Collaborated with 6 IITs to organise Inter Institute Art Competition which witnessed 270+ participants and handled an annual budget of INR 1,00,000 for club ventures and expenditures
  - **Achievements** - Represented IIT Kanpur and led the club at Inter IIT Cultural Meet 4.0 held in IIT Bombay