

# Sachin Kumar

Software Engineer

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## Education

### MCA(hons.) @ Lovely Professional University

Aug 2020 - Present

### BCA(hons.) @ Lovely Professional University

Aug 2018 - May 2020

## Experience

### Rust Intern @ Kootlabs

April 2022 - June 2022

- Learned about Rust basics like ownership, lifetimes, and borrowing.
- Learned about the Rust ecosystem and how to use it.
- Created a CRUD REST API using actix-web, MongoDB.

### Subject Matter Expert (SME) @ Techcurators

June 2022 - Present

- Created scenario based MCQs and Logic Box questions on Rust.
- Scenario based MCQs on DevSecOps topics.

## Projects

### Batch-Deletion - CLI Tool

JavaScript/Python

- A Command line based tool to delete multiple files in a directory.
- Recursively deletes files in a directory based on given filetype.
- Prints tree structure of deleted files as well as time taken.

### Sorting-Visualizer - WEB App

ReactJS/TypeScript/Redux

- A web app to visualize the sorting algorithms.
- Clean and Responsive user interface.
- Makes use of Redux for state management and TypeScript for type checking.

### Text-Generator - NLP

Python

- A Natural Language Processing tool to generate text.
- The script has a dropdown menu to select the generation algorithm.
- Predicts the next word based on the previous word using a Markov Chain.

## Co-curriculars

### Open-Source

- Exploring new open-source projects keeps me up to date with latest technologies and conventions.
- Contributed to projects like - dree, segmentio/asm and word-to-pdf.

### Competitive Programming

- Participated in various competitive programming events like - CodeChef, CodeForces, Hackerearth, etc.
- Top 50 more than 2 times at codechef.

## Skills

### Programming Languages

Java, C, C++, JavaScript(ES6),  
TypeScript, Rust, Go, Python

### Web Technologies

HTML5, CSS, Markdown

### Libraries & Frameworks

React, Redux, Node, Express,  
NextJS

### Tools & Platforms

Git, Vim, Docker, Tableau,  
RapidMiner, PostgreSQL

### Design

Photoshop, Figma, Illustrator

## Certifications

Java Certificate @ HackerRank

React Certificate @ HackerRank

Automation and Bot Creation @ Udem

Data Structures and Algorithms @  
Udem

## Interests

Photo-Manipulation, Photography,  
Reading, Traveling, Gaming