


Sachin Kumar

Software Engineer

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Experience

Rust Intern @ Kootlabs

April 2022 - June 2022

- Learned about Rust basics like ownership, lifetimes, and borrowing, etc.
- Worked with a team of 3 people.
- Taught a new intern about Rust fundamentals and APIs
- Created a CRUD REST API using Actix-web and MongoDB.

Subject Matter Expert (SME) @ Techcurators

June 2022 - Present

- Created 70+ scenario based MCQs and Logic Box questions on Rust.
- Scenario based MCQs (25+) on DevSecOps topics.
- Created 10 Logic Box questions on Tableau.
- Worked with a team of 6 people.

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 a given filetype.
- Prints tree structure of deleted files as well as the time taken.

Sorting-Visualizer - WEB App

ReactJs/TypeScript/Redux

- A web app to visualise the sorting algorithms(5).
- A 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

- Contributed to projects like - dree, segmentio/asm and word-to-pdf.

Competitive Programming

- Participated in Hackerrank, hackerearth and Codeforces events.
- Top 50 more than twice at codechef.
- Four star at codechef.

Education

Masters in Computer Applications @ LPU University

Aug 2021 - Present

Bachelors in Computer Applications @ LPU University

Aug 2018 - May 2021

Skills

Programming Languages

Java, C, C++, JavaScript(ES6), Rust, TypeScript, Go, Python, HTML, CSS, GraphQL, Markdown

Libraries & Frameworks

React, Redux, Node, Express, NextJs

Tools & Platforms

Git, Vim, Docker, Tableau, RapidMiner, PostgreSQL

Design

Photoshop, Figma, Illustrator

Coursework

GRADUATE

Big Data
Cloud Computing
Robotic Programming
Aspect-oriented Programming
Advanced Data Structures and Algorithms

UNDERGRADUATE

Operating Systems
Data Visualization
Predictive Analytics
Data Science Toolbox
Computer architecture and design
Information Security and Privacy
Server Side Development with Node.js