

# Jai Singhal

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## EDUCATION

### ME Computer Science

BITS PILANI, PILANI CAMPUS

Overall CGPA: 8.22/10

Coursework: Advanced Operating Systems; Machine Learning; Information Retrieval; Cloud Computing

Teacher Assistant (TA): Computer Networks, Information Retrieval

Rajasthan, IN | 2019-2021

### BTech. Computer Science

SKIT, JAIPUR

Percentage: 71.5%

Coursework: Data structure Algorithms; Database; Operating System; Computer Networks; Object Oriented Programming

Rajasthan, IN | 2015-2019

## WORK EXPERIENCE

### NETAPP | MEMBER OF TECHNICAL STAFF 2

Bangalore, IN | Jan 2021 – Present

- Worked on a dashboard which aims to monitor product releases, builds, code commits for each build in the pipeline. Used Golang and React(with Typescript) for building the tool.
- Designed a framework on top of Locust(Python), to perform Scale and Load performance for project Astra. Also created a dashboard to visualize the data. Used Python, Locust, InfluxDB, Grafana.

### NETAPP | SOFTWARE DEVELOPMENT ENGINEER INTERN

Bangalore, IN | May 2020 – June 2020

- Developed a Grafana dashboard to visualize datasets.
- Developed several automation scripts using Python.

### UNIONSAPP | SOFTWARE DEVELOPMENT ENGINEER INTERN

Jaipur, IN | May 2018 – July 2018

- Developed an API based on DRF for US-based client.
- Full-stack development for local retailer website using Django/Python.

### FREELANCER

Remote | 2017 – 2020

- Helped students, researchers, developers in their programming problems from all around the world.
- Performed various projects, assignments using C, C++, Python, and Javascript.

## PROJECTS

### DIGILOCKER

PYTHON/FLASK, JS, WEB3, MATERIALCSS, ETHEREUM BLOCKCHAIN, SOLIDITY

Developed a DAPP for protecting the personal documents. The project aims to provide verification of documents with ease, confidentiality, access control, data privacy, authenticity, and maintaining the integrity of the document.

### PRODUCT RECOMMENDATION SYSTEM

PYTHON, MACHINE LEARNING, DJANGO, SCRAPY, MONGODB

Developed a Web-Based app that recommends best products to consumers in each category, It does by detecting fake/biased/spam reviews and excludes them while calculating the optimized rating.

### AVYUKT

PYTHON, DJANGO, POSTGRES, RABBITMQ, WEBSOCKETS

Developed a scalable delivery based web app that assigns tasks from Storage Manager to Delivery Person asynchronously.

### CROMA

PYTHON, DJANGO, DRF, POSTGRESQL, HTML/CSS, JQUERY

Developed a Pharmacy Management System developed for my dad's pharmacy shop by reverse engineering of existing medical software. Includes app such as Item master, Sales, and Purchase invoice, and Reports.

## SKILLS

**Languages:** C, C++, Python, SQL, GoLang, Javascript

**Web Development:** Django, Flask, FastAPI, DRF, ReactJS, HTML/CSS, Bootstrap

**Tools & Technology:** Git, Docker, Kubernetes, Grafana, Jenkins, BeautifulSoup, Scrapy, Ethereum/Blockchain

## AWARDS AND VOLUNTEER EXPERIENCE

- Maintainer and Author at **DjangoPY** Apr, 2017 - Present
- **Mentor/Instructor** of the Python Club at SKIT College. Aug 2018 - Oct 2018
- Organized National Coding Competition @HackerEarth. Oct, 2017
- Winner of **Blind Coder** held at IT Day Rajasthan Hackathon 1.0 Jaipur May, 2016

## PUBLICATIONS

- **Jai Singhal** and Ankit Gautam and Ashutosh Bhatia and Ankit Agrawal and Rekha Kaushik, "DD-Locker: Blockchain Based Decentralized Personal Document Locker", ICOIN 2022
- **Jai Singhal** and Pratik Narang, DeblurRL: Image deblurring with Deep Reinforcement Learning. CVIP, India, Dec 2020