

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 Grafana 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, Bootstrap4.

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 by providing 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