JAI SINGHAL

Course : **M.E.**, Computer Science, 2021
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CGPA : 7

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
UG	Computer Science & Engineering	Swami Keshvanand Institute of Technology Management & Gramothan(SKIT)	Rajasthan Technical University(RTU)	71.5 %	2019
CLASS XII		Vidyasthali Public School	CBSE	90.2 %	2015
CLASS X		Vidyasthali Public School	CBSE	9 CGPA	2013

Subjects / Electives	Data Structures & Algorithm, Databases, Operating System, Theory of Computation, Functional Programming, Object Oriented Programming
Technical Proficiency	Python3, Django, Jekyll, JavaScript, MySQL, Grafana, Jenkins, Flask, Docker, Git, Blockchain Development, Web Scraping, Bootstrap, C Programming, C++

SUMMER INTERNSHIP / WORK EXPERIENCE

Summer Intern, Netapp   May 2020 - Jun 2020
- Worked on Netapp Solidfire Team
- Built a Grafana dashboard on Build Stack data.
- Created a Python script which collects and process system-generated messages on public slack channels

Django Developer, UnionsApp   Jun 2018 - Jul 2018
- Developed an API based on Django Rest Framework for James Gatusso Reality
- Full Stack Development in AG Gems Jaipur website using Django/Python, Bootstrap4

PROJECTS

DIGI LOCKER - Blockchain,Web development, Network Security   Apr 2020 - May 2020
- Developed a DAPP using Ethereum Blockchain for protecting the personal documents by encryption.
- Provides verification of documents with ease, confidentiality, access control, data privacy, authenticity, and maintaining the integrity of the document.
- Tools used: Python, Flask, Javascript/jQuery, web3.js, MaterialCSS, Ethereum Blockchain, Solidity
- Github Repository: https://github.com/jai-singhal/digiLocker

AVYUKT - Scalable delivery task processing Web App   Jun 2019 - Jun 2019
- Developed a delivery based web app that assigns tasks from Storage Manager to Delivery Person asynchronously.
- Uses Message Queue(RabbitMQ) and Websocket on top of the Django Framework.
- Github Repository: https://github.com/jai-singhal/avyukt

PRODUCT RECOMMENDATION SYSTEM - Machine Learning, NLP, Sentiment Analysis   Jan 2019 - Present
- Web-Based app that recommends best products to consumers in each category, using Sentiment Analysis and Machine Learning.
- Detects fake/biased/spam reviews and excludes them while calculating the optimized rating.
- Features: Product Recommendation, Review Scrapping, Sentiment Analysis of Reviews, Detection of Fake Reviews.
- Gitlab Repository: https://gitlab.com/kashishkumawat/review-signals

ONLINE CRIME REPORTING SYSTEM - Rajasthan Hackathon 2017   Dec 2017 - Dec 2017
- Team project with 3 others at Rajasthan Hackathon 3.0 Udaipur
- Features include Digitization of Records, Anonymity, Reporting of Cyber Crimes, and Crime Analytics and Statistics.
- Github Repository: https://github.com/jai-singhal/raj_hack2k17

CROMA - Web Application, Pharmacy management system   Jun 2017 - Aug 2017
- Pharmacy Management System developed for my dad's pharmacy shop.
- Reverse engineered a medical software, which was previously built on VB.
- Apps include Item master, Sales, and Purchase invoice, Reports, etc.
- Github Repository: https://github.com/jai-singhal/croma
  - 24 stars
  - 13 forks
- Demo Video: https://youtu.be/x-Z_nmR70xk

VOLUNTEER EXPERIENCE

Pyclub - Role: Mentor/Instructor | Cause: Education **Aug 2018 - Oct 2018**
Mentor/Instructor of the Python Club at SKIT College.

Code Emblaze - Role: Problem Setter and Event Organizer | Cause: Education **Oct 2017 - Oct 2017**
Organized National Coding Competition @ HackerEarth
Link: https://www.hackerearth.com/challenges/college/code-emblaze/

POSITION OF RESPONSIBILITY

Graduate Teaching Assistant - BITS Pilani **Jan 2020 - May 2020**
Worked as a Teaching Assistant for the CN F303 course under Dr. Ashutosh Bhatia.

Maintainer and Author - DjangoPY **Apr 2017 - Present**
Blog for Django lovers, made with Jekyll.
URL: https://djangopy.org

AWARDS AND RECOGNITIONS

Blind Coder | Rajasthan Hackathon 2016 **May 2016**
- Winner of IT Day held on Raj Hackathon1.0 Jaipur.

TEST SCORES

TEST NAME	DATE OF EXAM	SCORE
GATE 2019	Feb 3, 2019	Score:563/1000