



## JAI SINGHAL

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

Email : h20190021@pilani.bits-pilani.ac.in

Mobile : 9602084669

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

<b>Subjects / Electives</b>	Data Structures & Algorithm, Operating System, Databases, Theory of Computation, Functional Programming, Object Oriented Programming
<b>Technical Proficiency</b>	Python3, C Programming, Django, Web Scraping, Bootstrap, C++ Language, Grafana, Blockchain Development, MySQL, Scrapy Python Framework, Flask, Jenkins, RabbitMQ, JavaScript, Data Analytics, Jekyll, Git

### SUMMER INTERNSHIP / WORK EXPERIENCE

<b>Summer Intern, Netapp</b>	<b>May 2020 - Jun 2020</b>
<ul style="list-style-type: none"> <li>Summer Intern in Netapp Solidfire team.</li> <li>Built a Grafana dashboard on Build Stack data.</li> <li>Collect and process system-generated messages on public slack channels</li> </ul>	
<b>Django Developer, UnionsApp</b>	<b>Jun 2018 - Jul 2018</b>
<ul style="list-style-type: none"> <li>Developed an API based on Django Rest Framework for James Gatusso Reality</li> <li>Full Stack Development in AG Gems Jaipur website using Django/Python, Bootstrap4</li> </ul>	

### PROJECTS

<b>Digilocker - Blockchain, Web development, Network Security</b>	<b>Apr 2020 - May 2020</b>
<ul style="list-style-type: none"> <li>Developed a DAPP using Ethereum Blockchain for protecting the personal documents by encryption.</li> <li>It provides verification of documents with ease, confidentiality, access control, data privacy, authenticity, and maintaining the integrity of the document.</li> <li>Github Repository: <a href="https://github.com/jai-singhal/digiLocker">https://github.com/jai-singhal/digiLocker</a></li> </ul>	
<b>Avukt - Scalable delivery task processing Web App</b>	<b>Jun 2019 - Jun 2019</b>
<ul style="list-style-type: none"> <li>A delivery web app that assigns tasks to Delivery Person by Storage Manager asynchronously.</li> <li>Uses Message Queue and Websocket on top of the Django Framework.</li> <li>Github Repository: <a href="https://github.com/jai-singhal/avyukt">https://github.com/jai-singhal/avyukt</a></li> </ul>	
<b>PRODUCT RECOMMENDATION SYSTEM - Machine Learning, NLP, Sentiment Analysis</b>	<b>Jan 2019 - Present</b>
<ul style="list-style-type: none"> <li>Web-Based app that finds recommends the best products to the consumers in each category, using Sentiment Analysis and Machine Learning, this tool understands the opinions of users and calculates a rating of each product.</li> <li>This tool also detects fake/biased/spam reviews and excludes them while calculating the optimized rating.</li> <li>Features: Product Recommendation, Review Scrapping, Sentiment Analysis of Reviews, Detection of Fake Reviews.</li> </ul>	
<b>ONLINE CRIME REPORTING SYSTEM - Rajasthan Hackathon 2017</b>	<b>Dec 2017 - Dec 2017</b>
<ul style="list-style-type: none"> <li>Team project with 3 others at Rajasthan Hackathon 3.0 Udaipur</li> <li>Features include Digitization of Records, Anonymity, Reporting of Cyber Crimes, and Crime Analytics and Statistics.</li> <li>Built on Python/Django, Javascript(Jquery), Bootstrap4, Bhamashah API</li> <li>Github Repository: <a href="https://github.com/jai-singhal/raj_hack2k17">https://github.com/jai-singhal/raj_hack2k17</a></li> </ul>	
<b>CROMA - Web Application, Pharmacy management system</b>	<b>Jun 2017 - Aug 2017</b>
<ul style="list-style-type: none"> <li>Pharmacy Management System developed for my dad's pharmacy shop.</li> <li>Reverse engineered a medical software, which was previously built on VB.</li> <li>Apps include Item master, Sales, and Purchase invoice, Reports etc.</li> <li>Built with Python3, Django, Django Rest Framework, Postgresql, Javascript(JQuery), HTML/CSS</li> <li>Github Repository: <a href="https://github.com/jai-singhal/croma">https://github.com/jai-singhal/croma</a></li> <li>Demo Video: <a href="https://www.youtube.com/watch?v=x-Z_nmR70xk">https://www.youtube.com/watch?v=x-Z_nmR70xk</a></li> </ul>	

### EXTRA CURRICULAR ACTIVITIES

Travelling  
Cooking  
Flute playing

VOLUNTEER EXPERIENCE

<b>BITS Pilani</b> - Role: Graduate Teaching Assistant   Cause: Education	<b>Jan 2020 - May 2020</b>
Worked as a Teaching Assistant for the CN F303 course under Dr. Ashutosh Bhatia. My responsibilities were to create coding assignments, to check mid-sem copies and invigilation.	
<b>Pyclub</b> - Role: Mentor/Instructor   Cause: Education	<b>Aug 2018 - Oct 2018</b>
Mentor/Instructor of the Python Club in SKIT College for nearly 3 months, where I taught fundamentals of Python Programming to Web Development in Django to Juniors	
<b>Code Emblaze</b> - Role: Problem Setter and Event Organizer   Cause: Education	<b>Oct 2017 - Oct 2017</b>
Organized National Coding Competition @ HackerEarth	
Link: <a href="https://www.hackerearth.com/challenges/college/code-emblaze/">https://www.hackerearth.com/challenges/college/code-emblaze/</a>	
<b>DjangoPY</b> - Role: Blogger/ Developer   Cause: Education	<b>Apr 2017 - Present</b>
A blog for Django lovers, made with Jekyll	
URL: <a href="https://djangopy.org">https://djangopy.org</a>	

TEST SCORES

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

AWARDS AND RECOGNITIONS

<b>Blind Coder   Rajasthan Hackathon 2016</b>	<b>May 2016</b>
◦ Winner of IT Day held on Raj Hackathon1.0 Jaipur.	

LANGUAGES KNOWN

Hindi, English