

# CHINTAN SHAH

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## EDUCATION

<b>University of Southern California(USC)</b> Master of Science in Computer Science Relevant Coursework - Analysis of Algorithms, Database Systems	<b>2021-2023(expected)</b>
<b>Dwarkadas J. Sanghvi College of Engineering, University of Mumbai</b> Bachelor of Engineering in Computer Engineering - <b>CGPA: 9.33/10</b> Relevant Coursework - Data Structures, Software Engineering, Web Design, Database Management Systems, Operating Systems	<b>2016 -2020</b>

## WORK EXPERIENCE

<b>Software Development Engineer - Vunet Systems, Bangalore, India</b> • Containerized and orchestrated the application using <b>Docker Swarm</b> for automating application deployment and achieved high availability along with <b>Mysql cluster</b> that replicates data to keep it persistent across multiple virtual machines and handle database failover • Developed REST endpoints in <b>Django</b> and refactored unreferenced code to perform platform migration from Python 2.x to 3.x • Redesigned <b>Elasticsearch</b> functions for querying <b>millions</b> of documents that helped in reducing the turnaround time by <b>35%</b> • Designed microservices in <b>Python</b> and deployed them across virtual machines in load balanced manner using <b>Zookeeper</b>	<b>Aug 2020 - May 2021</b>
<b>Software Development Intern - Practice Agile Solutions, Mumbai, India</b> • Worked with the Information Technology team to design an online course learning portal • Aimed to tackle the inability to proctor hundreds of students at the same time by enhancing alert automation using <b>Python Asyncio</b> and to maintain and develop database and REST APIs	<b>Apr 2019 - Sept 2019</b>
<b>Software Development Intern - Snobbox.com, Mumbai, India</b> • Designed, developed and refactored the front-end of the web application using <b>React.js</b> and backend with <b>PHP</b> • Implemented User Authentication using OAuth API and established various design test cases for data security • Integrated advanced plugins like Zendesk chat and Mailchimp for the e-commerce website	<b>Jun 2018 - Sept 2018</b>

## TECHNICAL SKILLS

<b>Programming Languages:</b> Python, Java, C, C++, Javascript	<b>Database:</b> MySQL, ELK, PostgreSQL, MongoDB
<b>Development:</b> Django, Django-REST, HTML5, CSS, React, Node.js, Android	<b>Software/Tools:</b> Docker, Android Studio
<b>Libraries:</b> PyTorch, Pandas, OpenCV, NumPy, Keras, SciPy, NLTK	

## PROJECTS

<b>Placement Management System (PHP, Mysql, Bootstrap, HTML5, CSS, Firebase, Google charts)</b> • Devised an end-to-end placement portal using <b>PHP</b> aiming to serve more than <b>1000</b> students, institutions per year with google charts for in-depth analysis of various metrics • Implemented job recommendation portal based on the resume screening of the students that aids ease in the selection process • Integrated <b>Firebase</b> for user authentication, and analytics for better comparison and understanding
<b>Ecommerce Website (Node.js, Elasticsearch, Web Sockets, Faker API, Stripe, Passport.js)</b> • Built a web app using <b>Node.js</b> for backend and <b>Faker API</b> for populating product description and their listings • Implemented semantic analysis with TextBlob that helps to purchase the product by analyzing customer reviews • Incorporated <b>web-sockets</b> for help chat desk and Elasticsearch as a datastore • Integrated Passport.js for authentication via third-party apps and Stripe for payment gateway
<b>Text to Image Generation using GANs (Django, StackGANs, COCO dataset, OpenCV, Textblob)</b> • Processed two StackGANs with Conditioning Augmentation to generate high-resolution images with photo-realistic details that helped to achieve significant improvements on datasets compared to state-of-the-art models with <b>30%</b> more accuracy • Trained using MS COCO dataset with <b>80k</b> images in the training set and <b>40k</b> in the validation set

## CO-CURRICULAR ACTIVITIES

- **Tutor:** Taught web development to **500+** computer aspirants and held discussions in the camp organized by Rotary Club
- **Coding:** Contributed in automated python script that helped around **700+** people to book Covid-19 vaccine slots in India
- **Events Coordinator:** Organized internship fair and other events for college ACM student chapter