

CHINTAN SHAH

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EDUCATION

University of Southern California, Los Angeles 2023(expected)
Masters of Science in Computer Science
Relevant Coursework - Analysis of Algorithms, Database Systems

Dwarkadas J. Sanghvi College of Engineering, University of Mumbai Oct 2020
Bachelor of Engineering in Computer Engineering - CGPA: 9.33/10
Relevant Coursework - Data Structures, Software Engineering, Database Systems, Web Design, Operating Systems

TECHNICAL SKILLS

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

WORK EXPERIENCE

Software Engineer-Vunet Systems, India Aug 2020-May 2021

- Containerized and orchestrated the application using **Docker Swarm** thus achieving automating application deployment and high availability
- Developed REST endpoints in **Django** and refactored the code to perform platform migration from Python 2.x to 3.x
- Redesigned **Elasticsearch** functions for querying documents that helped in reducing the turnaround time by **35%**
- Designed microservices in **Python** and deployed them across VMs in a load balanced manner using **Zookeeper**

Software Development Intern-Practice Agile Solutions, India Apr 2019-Sep 2019

- Collaborated with the Information Technology team to design an online course learning portal
- Successfully tackled the inability to proctor more than **700+** students at the same time by enhancing alert automation using **Python Asyncio** and to maintain and develop database and REST APIs

Software Development Intern-Snobbox.com, India Jun 2018-Sep 2018

- Designed and developed the front-end of the company's website using **React.js** and backend with **PHP**
- Implemented User Authentication using OAuth API and designed various test cases for user data security
- Integrated advanced plugins like Zendesk chat and Mailchimp for the e-commerce website

PROJECTS

Placement Management System (PHP, Mysql, Bootstrap, HTML5, CSS, Firebase, Google charts)

- Devised an end-to-end placement portal using **PHP** aiming to serve more than **1000** students per year utilizing google charts for in-depth comparison of various metrics like growth potential and selection probability,
- Implemented a recommendation portal that eases the job selection process by screening resumes of students
- Integrated **Firebase** for user authentication and provided analytics for better comparison and understanding

Ecommerce WebApp (Node.js, Elasticsearch, Web Sockets, Faker API, Stripe, Passport.js)

- Built a web app using **Node.js** and integrated **Faker API** for populating product description and their listings
- Implemented semantic analysis using **TextBlob** to help the purchase of the product by analyzing customer reviews
- Incorporated **web-sockets** for helpdesk chat, leveraging Elasticsearch as a datastore
- Integrated **Passport.js** for authentication through third-party apps and **Stripe** for the payment gateway

Text to Image Generation using GANs (Django, StackGANs, COCO dataset, OpenCV, Textblob)

- 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 **5%** more accuracy
- Developed the web application in **Django** and deployed as a **Docker** container in swarm mode

EXTRA CURRICULAR ACTIVITIES

- **Tutor:** Taught web design to **500+** computer aspirants and held discussions in a boot camp organized by eSkill India
- **Coding:** Contributed to an automated python script that helped **600+** people to book Covid-19 vaccine slots in India
- **Events Coordinator:** Organized an internship fair and several workshops for the college ACM student chapter