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, Web Design, Operating Systems, Computer Graphics

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   **Aug 2020-May 2021**
- Containerized and orchestrated the application with **Docker Swarm** thus achieving high availability and automation in application deployment
- Developed REST endpoints in **Django** and refactored the code to perform platform migration from Python2 to Python3
- 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 Engineer Intern, Snobbox.com   **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
- Incorporated 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 with **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 job recommendation by screening resumes of students with keyword analysis using **Yake**
- Integrated **Firebase** for cloud messaging and to generate real-time push notifications

Ecommerce WebApp (Node.js, Elasticsearch, Web Sockets, Faker API, Stripe, Passport.js)
- Built a web app with **Node.js** and incorporated **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

Study Blog (PHP, Javascript, HTML5, CSS3, Mysql, Google charts)
- Planned and implemented a web portal using **PHP** that posts study materials and courses
- Built chat threads using **Javascript** that served for conducting discussions and material sharing
- Deployed the app on **Heroku** and was used by **500** students which received a feedback of 4.5/5

Text to Image Generation using GANs (Django, StackGANs, COCO dataset, OpenCV, Textblob)
- Processed two **StackGANs** with Conditioning Augmentation to generate 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 people to book Covid-19 vaccine slots in India
- **Events Coordinator:** Organized an internship fair and several workshops for the college ACM student chapter