

# CHINTAN SHAH

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## EDUCATION

**University of Southern California, Los Angeles** 2023(expected)

Masters of Science in Computer Science - **GPA: 3.17/4**

Relevant Coursework - Analysis of Algorithms, Database Systems, Web Technologies

**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, Typescript **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 Intern, C3.ai**

May 2202-Present

- Designed and prototyped data models for Environment Sustainability Governance (ESG) application.
- Developed a standard backend of the application and generated visualizations using Javascript and **TypeScript**.
- Collaborated across teams to define and build the ESG platform that balances usability and engineering complexity.

**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

**Stock App** (Angular, Node.js, Typescript))

- Created API endpoints in Node.js to fetch data from Finnhub's RESTful API.
- Developed responsive web pages for smart devices using Bootstrap.
- Implemented search (with autosuggest), watchlists and an option to share news items on social media.

**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. Leverage google charts for an in-depth comparison among candidates on 10+ metrics like selection probability.
- Implemented job recommendation by screening resumes of students with keyword analysis using **Yake**.
- Integrated **Firebase** for cloud messaging and generation of 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.

## EXTRACURRICULAR 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.