

CHINTAN SHAH

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EDUCATION

University of Southern California, Los Angeles

Aug 2021- May 2023

Masters of Science in Computer Science - **CGPA: 3.48/4**

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

Dwarkadas J. Sanghvi College of Engineering, University of Mumbai

Aug 2016-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, C3.ai

June 2023-Present

- Worked cross-functionally with C3 Data science and Apps teams to implement page & API level access control, resulting in a notable 60% enhancement in platform security.
- Developed a standard backend and caching in Python for scheduling app to handle continuous integration of SAP data.
- Drove technical design and architecture for data modeling, alerting, and optimizer framework for supply chain suite.
- Wrote rule-based alternative to ML optimization with high fidelity and 0.2% of the execution time.

Software Engineer Intern, C3.ai

Jan 2023-May 2023 & May 2022-Aug 2022

- Implemented complex data models at scale to optimize workflows for DS to generate ESG scores from scraped data.
- Collaborated across teams to define and build the ESG application that balances usability and engineering complexity.
- Worked on scaling engine process across nodes to leverage the serialization capability for Gen AI workflows.

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, thereby 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 annually.
- Implemented job recommendations by screening the resumes of students with keyword analysis using **Yake**.
- Integrated **Firebase** for cloud messaging and generation of real-time push notifications.

E-commerce 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 descriptions and 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 data store.

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.