

# Sanket Ravindra Chaudhari

schaud59@asu.edu • 480-392-2888 • <https://www.linkedin.com/in/sanketrchaudhari/>  
• <https://sanket-rc.github.io/Sanket04.cv/> • <https://github.com/sanket-rc>

## SUMMARY

Results-driven software engineer with demonstrated work experience in Full-stack development, Object-oriented programming, and service industry. Seeking internship opportunities for summer 2023 for roles in Software Development, Full-stack Development and Cloud technologies.

## EDUCATION

### Masters, Computer Science

Dec 2023

• Arizona State University, Tempe, AZ, USA

4.0 GPA

• Foundations of Algorithm • Cloud Computing • Data Visualization • Mobile Computing • Statistical Machine Learning

### Bachelor of Technology, Electronics and Telecommunication

May 2019

• Veermata Jijabai Technological Institute, Mumbai, MH, India

7.87 GPA

• Data Structures • Computer Communication Networks • Java • C++ • Pattern recognition • Digital Image Processing

## TECHNICAL SKILLS AND INTERESTS

- **Programming Languages:** Java, C++, Python
- **Web Technologies:** JavaScript, TypeScript, HTML, CSS, Bootstrap, Ajax, Node.js, D3.js
- **Frameworks:** Spring, Apache Camel, Angular, Hibernate, Spring Boot, JPA, React, Junit, Jasmine
- **Others:** Oracle SQL Developer, AWS, Bitbucket, Kafka, MongoDB, Bamboo, Docker

## WORK EXPERIENCE

### CitiusTech Inc., Mumbai, India | Full - Stack Engineer

June 2019 – Dec 2021

- Developed several Java interfaces using Apache Camel framework with inbound and outbound processes, managing flow of data between systems, HRP applications and data stores
- Optimized queries and stored procedures for faster execution of batch processes from 8 hours to 15 minutes
- Implemented Apache Kafka messaging system to replace ActiveMQ within the application
- Developed a POC demonstrating the Camel Junit test cases and its advantages to the client as a part of 110% initiative
- Identified business requirements, performed end to end testing of the camel interfaces and involved in numerous scrum audits for the project.
- Worked on the Angular application developing numerous screens, aided in making the application congruous to many browsers like Internet Explorer 11, Microsoft Edge and contributed to accelerating lagging Unit test cases
- Assisted in migrating the application from Angular 7 to Angular 9 to inculcate additional features
- Worked parallelly on an internal initiative which aimed at developing a library having a collection of rich UI components using Angular Elements that can be reused across the firm

## ACADEMIC PROJECTS

### Autoscaling Machine Learning applications using AWS cloud

Fall 2022

- Built elastic applications that can automatically scale out and in on-demand and cost-effectively by using the IaaS and PaaS cloud resources
- Developed a face recognition application using a function based serverless computing service AWS Lambda that queries data for the recognized faces from the Dynamo Db
- Developed an image recognition application to perform deep learning on images provided by the users using IaaS resources including Simple Queue Service, Simple Storage Service, Elastic Compute Cloud

### Lossy Image Compression using Autoencoders

Spring 2022

- Performed a comprehensive study of a research paper focused on end-to-end image compression using Compressive Autoencoder (CAN).
- Compared the modern neural network compression techniques with the traditional techniques like JPEG-2000.

### Distributed Blockchain based Peer to Peer Communication between PMUs

Aug 2018 – May 2019

- Reconfigured current SCADA based modern power systems to implement Real-time monitoring and correction with the help of blockchain-based solution
- Designed a smart contract using Solidity to define the process, and detect and distinguish faults occurring in the system
- Increased energy efficiency by 23 percent using a robust working mechanism (Proof of Authority protocol) compared to standard Bitcoin blockchain (Proof of work protocol)
- Designed an interactive dashboard for human access and PMU monitoring at various geographical locations

## EXTRA CURRICULAR ACTIVITIES

- One out of 18 colleagues to receive certification of appreciation for the enhancement in the HRP implementation Project.
- One out of 5 students selected to attend a semester-long sit-through course on Introduction to Bitcoin at IIT Bombay
- Captain of V.J.T.I Basketball Team in the senior year. Led the team resulting in victory of many tournaments.
- Event Head of Department (Enthusia – A national level sports festival). Led a team of 250+ students during Enthusia. Managed 24 events (Indoor + Outdoor) with a total participation of over 5000.
- Volunteered at Robin Hood Army – An organization that works to get surplus food from restaurants to the less fortunate sections of society in cities across India and 14 other countries.