SANKET RAVINDRA CHAUDHARI

schaud59@asu.edu | +1(480) 392-2888 | LinkedIn

EDUCATION

Arizona State University, Ira A. Fulton Schools of Engineering Tempe, AZ, USA
- Masters, Computer Science (GPA - 4.0/4.0)
- Foundations of Algorithm • Statistical Machine Learning • Cloud Computing • Mobile Computing • Data Visualization
  • Software Integration and Engineering

Veermata Jijabai Technological Institute (VJTI) Mumbai, MH, India
- Bachelor of Technology, Electronics and Telecommunication (CGPA: 7.87/10) May 2019
- Data Structures • Computer Communication Networks • Java • C++ • Pattern recognition • Digital Image Processing
  • Digital Signal Processing • Coding Theory • Advanced Mathematics.

WORK EXPERIENCE

CitiusTech Inc., Mumbai, India | Full - Stack Engineer June'19 – Dec'21
- Developed several interfaces with inbound and outbound processes, managing flow of data between systems, applications and data stores. **(Apache Camel, Kafka, Java, Oracle SQL, Spring Framework, Junit, JIRA, Bitbucket)**
- Optimized queries and stored procedures for faster execution of batch processes
- 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 several screens. Aided in making the application congruous to many browsers like Internet Explorer 11, Microsoft Edge. **(Angular 9, JavaScript, Jasmine)**
- Assisted in migrating the application from Angular 7 to Angular 9 to inculcate additional features
- Worked parallelly on an internal initiative where I was responsible for developing a library having a collection of rich UI components using Angular Elements that can be reused across the firm
- Contributed to accelerating lagging Unit Test cases of the project to achieve a code coverage of over 85%

ACADEMIC PROJECTS

Lossy Image Compression using Autoencoders Jan'22 - Apr'22
- 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'18 – May'19
- 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 in Solidity language to define the process, and detect and distinguish faults occurring in the system
- Increased energy efficiency by 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 monitoring purposes

Peer to Peer Energy trading using Blockchain (Centre of Excellence, VJTI) May'18
- Created a private Blockchain Network on Ethereum to facilitate energy trade with the help of Cryptocurrencies.
- Achieved measurement, verification, and settlement of traded energy in real-time

Sign to text glove using Bluetooth and Arduino Oct'17
- Developed a glove that can recognize hand gestures that corresponds to letters in sign language using Arduino UNO and sends data wirelessly via Bluetooth to a mobile phone.

TECHNICAL SKILLS

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

EXTRA CURRICULAR ACTIVITIES

- **CitiusTech** - One out of 18 colleagues to receive certification of appreciation for the enhancement in the HRP implementation Project.
- I was 1/5 out of 20+ students selected from VJTI who attended 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.