

Anket Sah

📍 San Jose, CA | ☎ (669)-237-5044 | ✉ anket.sah@sjsu.edu | 🌐 [GitHub](#) | 🔗 [LinkedIn Profile](#)

EDUCATION

San Jose State University

- Master of Science (M.S) in Computer Science

San Jose, CA

Aug 2019 – Expected May 2021

University of Pune

- Bachelor of Engineering (B.E) in Computer Engineering

Pune, India

June 2013 – May 2017

Relevant Coursework: Computer Programming and networks, Data Structures, Algorithms, Machine learning, Cloud Computing, Software engineering, Object oriented programming, Artificial intelligence, Distributed computing, Data Mining, Databases

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML, PHP, JavaScript

Databases: MongoDB, MySQL, Hadoop – MapReduce, SQLite

Tools and Platform: PostgreSQL, TensorFlow, REST, AWS, gRPC, React JS, PyTorch, Anaconda, Linux, OpenRefine, CSS, IntelliJ, GitHub, Android Sdk, Google collab, Zookeeper, Mahout, Cloudera, Ms Office, Windows, Hdfs

Data Analytics: R, SQL, MS Excel

Model Building Techniques: Linear regression, Statistical Analysis, Affinity Analysis, Clustering

PROFESSIONAL EXPERIENCE

Tata Consultancy Services, Pune, India

Aug 2017 – Jul 2019

System Engineer

- Developed Python program** for Nissan's proPilot assist that makes use of the radar sensors to map and process distances in a vehicle with respect to exterior conditions and help keep the vehicle centered during single lane driving. Also, analyzed this data generated using **SQL** to **improve safety and navigation by 19%**
- Built sensor integration algorithms** to combine sensory data from radar, video and ultrasonic sensors to reduce uncertainty which in turn increased accuracy of Advanced Driver Assist System (ADAS) **dataset by 26%**
- Implemented an AI chatbot** using python in RASA framework to interact with the Sanskrit tab (a text translator product) users. The bot could perform basic functions such as learning a person's name, taking an order by extracting the intent and entities from a user's response and returning the confirmation number
- Performed extensive research work for document collector software used in Sanskrit tab and developed an algorithm in Python that **resolved the space complexity** problem
- Accomplished design, coding, testing and deployment of an image to text converter software by using **tesseract ocr for character recognition** in an image and improved the software accuracy by **15%**
- Designed and coded an online module using **HTML, CSS and React JS** for Sanskrit tab, this module allowed the user to sign up, login and view his/her current progress on the courses taken

Knewron Technologies, Pune, India

Oct 2016 – April 2017

Software Engineering Intern

- Led a team of 5** to develop an Android application that performs single and multi-speaker voice recognition. The multi-speaker feature made use of **machine learning** to identify more than one person speaking at the same time with **89% accuracy**.
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RESEARCH PUBLICATIONS

[Multispeaker Voice Recognition](#)

[Permission Based Malware Detection](#)

[A Survey on Multi-Speaker Voice Recognition](#)

ACADEMIC PROJECTS

Human and Object Detection

Sep 2019 – Dec 2019

- Led a team of 4** to enhance the Enlighten Gan program that improved the image quality, and applied **convolutional neural network** on this image for efficient human and object detection on real time data in the dark. Technologies used: AWS, PyTorch

Chain Replication for Supporting High Throughput and Availability

Sep 2019 – Oct 2019

- Developed a client-server-based application** for supporting large-scale storage services. It exhibits high throughput and availability without sacrificing strong consistency guarantees. Technologies used: Java, GRPC, Zookeeper. [Project Link](#)

Fault tolerant Raft Server

Nov 2019 – Dec 2019

- Implemented a fault tolerant server that is based on the **raft consensus algorithm**. It performs operations like leader election, vote request, update state, append entries, client append request and client request index. Technologies used: Python, GRPC
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CERTIFICATIONS

❖ Python A-Z™: Python for Data Science

❖ The MERN Fullstack

❖ Master SQL for Data Science