

# Aarjav Sheth

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## PROFESSIONAL EXPERIENCE

**Backend Software Engineering Team Lead** | OPAL ORGANIZATION, USA

June 2020 – Present

**Tech Stack:** Python, REST API, AWS

- Developed a matching algorithm to match mentors and mentees using Python.
- Designed and developed database through the leadership of the engineering team composed of several developers for Opal mobile application.
- Working closely with key executives throughout the development cycle ensuring the team met their requirements.
- I define & deliver the database strategy and partner with cross-functional business leaders to enable data-driven decision making.

**Practicum Student** | RUBRIK INC., Palo Alto, CA, USA

January 2020 – Present

**Tech Stack:** Python, Python-Flask, MySQL, RestAPI, HTML, CSS, JavaScript

- Support ML/AI use cases such as Lead Scoring
- Creating a RESTful web application for Lead Scoring dashboard on Python-Flask framework.
- User-interface will be built using HTML/CSS/JavaScript.
- Building a Lead Scoring model to prioritize leads before they enter the sales pipeline by identifying key traits of leads that have been converted to opportunities using historical snapshots.

**Software Engineering Intern** | CREST INFOSYSTEMS PVT. LTD., India

December 2018 – April 2019

**Tech Stack:** TypeScript, Ionic Framework, XML, PHP, HTML, CSS, JavaScript, MySQL, RestAPI, JSON

- Built hybrid mobile application on Ionic Framework for finding new markets and get insights on sales.
- Extensively used MySQL database with ~100,000 data points; implemented REST web services to store and fetch data from server.
- Collaborated with key executives to work on a **stretch goal** of building an interactive dashboard along with administration panel. The app helped in increasing the customer base of client by 15%.

**Software Engineer Intern** | BAZINGA SOFTTECH PVT. LTD., India

May 2018 – June 2018

**Tech Stack:** Java, Android, XML, Firebase, JSON

- Devised android application for weather forecasting. Applied multiple principles of object-oriented programming like inheritance and interfaces to store data in Firebase, parsed the JSON data and displayed it to the end user.
- Designed front-end using XML, used OpenWeatherMap API to fetch details of atmospheric conditions. The app was incorporated as a module of company's existing application.

## EDUCATION

**Santa Clara University**

Expected June 2021

Master of Science in Information Systems

**Current GPA: 3.68/4**

**Uka Tarsadia University**

May 2019

Bachelor of Technology in Information Technology

**GPA: 3.51/4**

- Relevant Coursework:** Data Structures and Algorithms, Advanced Database Management Systems, Object Oriented Programming with C++, Java Technologies, Design and Analysis of Algorithms, Web Technologies, Computer Networks.

## SKILLS

- Languages:** Java, Python, JavaScript (ES6, TypeScript, ReactJS), C++, C, jQuery, HTML, CSS, Bootstrap, PHP, Ruby, JSON.
- Databases:** SQL Server, Postgres, SQLite, MySQL, MongoDB, NoSQL, PL/SQL, Firebase, Oracle
- Distributed Technologies:** PySpark, Apache Spark, Hadoop
- Web-Scraping Packages:** BeautifulSoup, Selenium
- DevOps:** Linux, Docker, Kubernetes
- Softwares & Frameworks:** Amazon AWS, Spring Boot, Java Swing, Flask, React Native, Git, JIRA, Eclipse, IntelliJ IDEA

## PROJECTS

**Search Application** (Java, Swing, AWT, Oracle)

- Faceted search application using Java, with dynamic UI developed by Java Swing & Java AWT, that helps a person to search for businesses based on different parameters such as reviews, check-in, average ratings, etc. stored in Oracle database.

**ChatApp** (Java, NodeJS, Android, JSON)

- Built an interactive android application to send messages and images over server.
- Used WebSocket server to send and receive messages and images. Developed server using NodeJS.

**Songs Blog** (Python, Python-Flask, SQLite, RestAPI, Git, HTML, CSS, JavaScript)

- Created a RESTful web application for Songs blog. Used SQLite database to perform CRUD operations.
- Built user interface using HTML/CSS/JavaScript
- Used Test driven development during implementation and Git for version control.

**Pick-A-Book** (Python, Tkinter, Google API, JSON)

- Created a Python GUI application to fetch books from Google Books using Google API
- Cached the query for faster searching and stored response in JSON.