

# Keya Shah

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## SUMMARY:

A results-driven Computer Science graduate with one year of hands-on experience and a comprehensive grasp of software and website development principles. Dedicated to fostering innovation, I am eager to apply my proficiency in Python, MySQL, and ReactJS to drive impactful contributions within a dynamic software development environment.

## EDUCATION:

### Master of Science in Computer Science

Aug 2022 - May 2024

#### University of Texas at Arlington

GPA: 3.5

Relevant Coursework: Analysis and Design of Algorithms, Data Analytics and Modelling Techniques, Database Systems, Machine Learning, Cloud Computing and Big data, Web Data Management, Distributed Systems, Secure Programming, Python programming

### Bachelor of Engineering in Computer Engineering

Aug 2018 - Jun 2022

#### Gujarat Technological University

GPA: 3.62

Relevant Coursework: Java, React, Data Structures, Theory of Computation, Object Oriented Programming, Microprocessor and Interfaces, Web Services, Operating Systems, Cyber Security, OOP of C and C++

## SKILLS:

**Languages:** Python, Java, JavaScript, C, C++

**Databases and Data Visualization:** SQL, MySQL, NoSQL, Firebase

**Web Technologies:** HTML, AJAX, CSS, JavaScript, ReactJS, PHP, Node.js, REST API, JSON

**Tools, Frameworks, and others:** Flask, Docker, Azure, Android Studio, Figma, Laravel, Kubernetes, Adobe Photoshop, Adobe Illustrator, XML

**Soft Skills:** Collaboration, Problem solving, Creativity, Teamwork, Enthusiastic learner, Empathy, Adaptability

## EXPERIENCE:

### Software Development Intern, Sun Software

Apr 2022 - Aug 2022

- Worked with cross-functional teams on two critical client projects, focusing on user retention and system performance. Employed **Python** frameworks like **Django** and **Flask**, emphasizing intuitive design and **version control**.
- Integrated **Firebase** authentication for seamless management of 30+ user credentials simultaneously, ensuring smooth backend operations.
- Transitioned to a Python-based **microservices architecture**, enhanced system performance and scalability and achieved significant results: 20% boost in user retention, efficient user credentials handling, and 30% improvement in system performance and scalability.

### Application Development Intern, Sun Software

Jan 2022 – Apr 2022

- Spearheaded Android development across two projects: one using **OpenCart** and the other using **Android Studio**. Applied **SQLite** for efficient data storage and optimized schemas for scalability.
- Showcased **UI/UX** proficiency with **XML**, designing apps for 300 concurrent users, and refining backend collaboration for seamless capability.
- Collaborated on a client app, achieving a 20% increase in user retention via **React**, **JavaScript**, and **Node.js**. Led software development efforts across platforms, optimizing performance with **Android Studio** and **Xcode**. Deployed **MySQL** for backend data management, resulting in reliable, exceeding-expectations applications.

### Core Java Intern, Caps World Systems

Feb 2021 - Jun 2021

- Championed the redevelopment of a web application utilizing **Java**, **Node.js**, and **Spring Boot**, resulting in a 50% faster response time and heightened user engagement through real-time data synchronization.
- Boosted application performance by 8% through meticulous analysis and implementation, utilizing **JUnit** for comprehensive testing.
- Leveraged **Java SE** and **OpenJDK** for robust backend development, ensuring efficiency and scalability. Engaged in practical exercises and self-study to enhance proficiency in **Golang**.

## ACADEMICS PROJECTS:

### Cloud-Based History Bee Game Development

[A History Bee](#)

- Developed a History Bee game with **Flask** and **Azure Data Studio** and transformed simple **HTML/CSS** pages into a dynamic gaming platform for cross-device browsing. Utilized **Redis** for fast, in-memory data storage, enhancing real-time gameplay, especially in live streaming situations.
- Engineered a streamlined judge role for question distribution within the game, leading to a 30% increase in user satisfaction, and empowered it on a scalable **cloud platform**, attracting over 50,000 users and achieving a 40% performance boost.

### Sentiment Analysis

[NLP-Sentiment Analysis](#)

- Facilitated real-time sentiment analysis project using **LSTM** models and **Python**. Designed **RNN** architectures with TensorFlow to enhance analysis on dynamic datasets. Achieved 98% real-time **sentiment analysis** accuracy.
- Used **LSTM models**, and 95% precision analyzing movie success rates from Kaggle Twitter dataset.

### Academia Hub

[AcademiaHub](#)

- Coordinated the development of a dynamic web application for a university, utilizing **HTML/CSS** and **ReactJS** to drive a 50% surge in user engagement. Tested it before deploying on **JS object model** and used **AJAX** for smooth web app communication. Enhanced app responsiveness and functionality with **Laravel post-PHP** backend.
- Refined security through **MySQL** connections and JavaScript, boosting user satisfaction by 40%.

### Lost and Found Mobile Application

[Lost and Found](#)

- Initiated the development of a university Lost and Found mobile application for university using **Android Studio** and **Firebase**.
- Exploited **React**, **Gradle**, and **IntelliJ IDEA** to ensure 100% multi-device compatibility, reduce bug ratio by 15%, optimized handling processes for 500+ users. Explored future growth with **C#** for enhancing app functionality and scalability.