Madhavam Shahi

Dallas, Texas | madhavam.p.shahi@tcu.edu | +1-682-376-6488 | https://madhavamshahi.github.io/

EDUCATION

Texas Christian University   **Fort Worth, Texas**

Bachelor's in Computer Science (Full Scholarship)   *Graduation Date: May 2026*

SOCIALS

Portfolio: https://madhavamshahi.github.io/, **Github**: https://github.com/madhavamshahi, **Stackoverflow**: https://bit.ly/3SvEPEJ, **LinkedIn**: https://bit.ly/3R5rqCh

SKILLS

Skills: React, Java, C++, Python, Flutter, Dart, Firebase, Google Cloud Platform, Node.js, Javascript, CSS, HTML, React Native, Web Scrapping, PHP, REST APIs, and Design Patterns.

WORK EXPERIENCE

Texas Christian University   **Fort Worth, Texas**

Computer Technician   *Sep 2022 - Present*

- Flashing OS images on Computers;
- Troubleshooting **hardware and software issues and repairing** devices if necessary;
- Destroying sensitive data and managing hard drives;
- Executing company policies, procedures, and safety standards to ensure the proper cleanliness and safety of the office and equipments.

Youth Empowerment Foundation   **New Delhi, India**

Software Developer Intern   *Mar 2021 - Aug 2021*

- Developed the official app of the NGO using Flutter & Firebase, **currently used by thousands of active users;**
- **Independently** designed (UI/UX) & *developed an admin panel* to manage the database of the NGO.
- *Brainstormed new features* for the app and incorporated them.
- Restructured Firestore document model for *minimum reads and writes*, **saving the NGO hundreds of dollars in Firebase bills.**
- Recognized with the Star-performer award from the CEO for exceptional performance, the *youngest in the engineering team to receive the award*

Gorin Systems   **Brooklyn, New York**

Flutter and Firebase Developer   *Jun 2021 - Nov 2021*

- Wrote new features for different client apps and **enhanced User Interfaces** of some client applications;
- Worked closely in a team of 4, participated in team meetings, **brainstormed new ideas** and implemented them;
- Used softwares like Jira and hubstaff to work efficiency the **agile** way, took ownership of tickets and found and **fixed bugs in ongoing projects.**

PROJECT EXPERIENCE

CoviCare   **Lucknow, Uttar Pradesh, India**

https://bit.ly/3PAMiSC   *Apr 2021 - May 2021*

- **Independently** designed and developed an app which helped in finding Covid-19 resources such as plasma donor availability in a hospital, oxygen cylinder supplies, etc during the pandemic;
- Used the **Twitter API** to fetch and sort data from Twitter; has a search bar using which the users can easily find the resources they're looking for;
- Based on the **MVVM design pattern**;
- Implemented **Firebase Authentication** (*phone and email verificiation using OTP*);
- Uses NoSQL database (Cloud Firestore);
- Achieved **over 500 downloads on the Google Play Store** and a 4.6/5.0 app store rating without any marketing efforts;
- Helped to **save 10+ lives in India** and was featured in two major newspapers;

- API Integration, User Authentication, and Database Management

Up-Synced   **Lucknow, Uttar Pradesh, India**
https://bit.ly/3BKz5kD   *Apr 2021 - May 2021*
- Independently designed and developed a **QR code-based profile sharing app** using Flutter, Dart, and Firebase;
- Implemented the **MVVM design pattern** and used a *NoSQL database* (Cloud Firestore) to store and retrieve data;
- **Optimized the Firestore document model** to minimize reads and writes, saving dollars in Firebase bills;
- Created a user-friendly and efficient tool for quickly sharing profiles with others;

LEADERSHIP EXPERIENCE

South Asian Inter-Cultural Association, TCU   **Fort Worth, Texas**
Membership Chair   *Sep 2022 - Present*
- Helped in organizing different cultural events on campus to promote the club and engage students of different backgrounds;
- Sourced and recruited new members to the club, including promoting the club to potential members and encouraging them to join;
- Fostered a culture of inclusivity within the club, including promoting diversity and actively seeking out underrepresented groups to join the club;
- Led the membership committee in planning and implementing membership campaigns and strategies;
- Demonstrated strong organizational and communication skills as the primary point of contact for membership-related matters.

Youth Empowerment Foundation   **New Delhi, India**
Software Developer Intern   *Mar 2021 - Aug 2021*
- Demonstrated initiative by proactively seeking out ways to contribute to the team's success and helping colleagues with technical challenges;
- Brainstormed and suggested new ideas to improve team processes and product features;
- Worked closely with the team manager to align on priorities and objectives, and provided regular updates on progress;
- Assisted colleagues with various tasks and provided support as needed.