

MADHAVAM SHAHI

SOFTWARE DEVELOPER INTERN

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EMPLOYMENT

Texas Christian University , <i>Student Technician</i> 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.	Sept. 2022 - Current
Youth Empowerment Foundation (NGO) , <i>Software Developer Intern</i> , <small>New Delhi</small> Developed the official app of the NGO, currently having thousands of active users. Solely designed(UI/UX) & developed an admin panel to manage the database of the NGO. Worked with my manager closely, brainstormed new features for the app and incorporated them. Restructured Firestore data model for minimum reads and writes, saving the NGO hundreds of dollars in Firebase bills. Received the Star-performer award from the CEO for my excellent performance; youngest in the engineering team ever to have received the award.	Mar. 2021 - Aug. 2021
Gorin Systems , <i>Flutter and Firebase Developer</i> , <small>New York (remote)</small> Worked as a Flutter & Firebase developer remotely. Wrote new features for different client apps and enhanced User Interfaces of some client applications. Used softwares like Jira and hubstaff to work efficiently the agile way, took ownership of tickets and found and fixed bugs in ongoing projects.	June 2021 - Nov. 2021
Youth Club India (NGO) , <i>Business Research Intern</i> , <small>Lucknow</small> Conducted research on the different factors which help a company stand out from its competition; Worked closely with my manager and other team members in a team of 15.	Sept. 2021 - Oct. 2021

EDUCATION

Texas Christian University Computer Science 2020 Full Scholarship	Aug. 2022 - May 2026
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SKILLS

DESIGN PATTERNS: BLoC, MVVM, MVC
PROGRAMMING LANGUAGES: Java, Javascript, Python, Dart, C++, PHP, HTML5, CSS3, Node.js
FRAMEWORKS: Flutter, .Net, Bootstrap, React, jQuery
DATABASE: Firebase, Google Cloud Platform, MySQL
OTHER: Web Scrapping, REST APIs

PROJECTS

Up Synced
Helps in connecting and keeping in touch with the people you meet at events;
With just a one second QR code scan, it shares all your profiles (LinkedIn, Github, Twitter, etc) to the other person and vice versa;
Based on the MVVM design pattern;
Designed and developed the front-end using Flutter and Dart, and the backend using Firebase (NoSQL database).

Safely
With just one tap, it sends the user's location to all nearby cops, notifying them of the user's location and telling them that the user is in danger. It uses Geohashes to achieve this functionality;
Helpful in developing countries where the emergency services infrastructure is not so great;
Based on the MVC design pattern;
Designed and developed the front-end using Flutter and Dart, and the backend using Firebase (NoSQL database);
Used node.js to send push notifications (Firebase Cloud Messaging);
Won first prize in Peddiehacks2021 for Safely, won \$400 in cash and over \$1800 in swags.

EdBuddy
A community-driven platform to find free school supplies(e.g books, notebooks, pens, etc) in your school/university;
Based on the MVC design pattern;
Designed and developed the front-end using Flutter and Dart, and the backend using Firebase (NoSQL database);
Uses a user-friendly one-tap Google sign in for user authentication;
Works like a social network to find other students in your school or university to study with.

CoviCare
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, it has a search bar using which the users can easily find the resources they're looking for. Based on the MVVM design pattern;
Saved 10+ lives in India, featured in two major newspapers. 500+ downloads without any marketing with an app store rating of 4.6/5.

AWARDS

Next Genius Scholarship, *Next Genius Foundation*
Received a full scholarship to study in the US

2nd Runner up, Times NIE National Hackathon, *Codingal*
Won the second runner up prize in a national Hackathon organized by Times NIE newspaper in collaboration with Codingal.

First Prize, PeddieHacks - an international hackathon, *Peddie High School, New Jersey*
Won the first prize in Peddiehacks 2021 for the high school track. Developed an app within 48 hours which increases the connectivity between a civilian and the nearby police officers, allowing civilians to request for help with just a tap.

VOLUNTEERING

Youth Club India, *Busines Research Intern*
Lucknow

Youth Empowerment Foundation, *Software Developer*
New Delhi