

# Madhavam Pratap Shahi

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## EDUCATION

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### Texas Christian University

Bachelor's in Computer Science (Full Scholarship)

Fort Worth, Texas

Graduation Date: May 2024

## SKILLS

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**Skills:** Java, Python, Flutter, Dart, Firebase, Node.js, Javascript, React.js, GCP, Kotlin, Swift, MySQL, HTML, CSS

## WORK EXPERIENCE

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### Texas Christian University

IT Hardware and Support (On-Campus Employment)

Fort Worth, Texas

Sep 2022 - Present

- Flashing operating systems image on Computers;
- Troubleshooting **hardware and software issues**;
- Ensuring proper safety of sensitive data by managing hard drives, and destroying data if necessary;

### Youth Empowerment Foundation

Mobile Application Developer

New Delhi, India

Mar 2021 - Aug 2021

- Developed the official app of the NGO using Flutter & Firebase, **currently used by thousands of active users**;
- **Streamlined the database management** by **independently** designing & developing an admin panel;
- Ensured the safety of sensitive user data *by writing a secure set of firebase security rules*;
- Brainstormed new ideas with my manager, and implemented them in the app;
- **Saved hundreds of dollars in Firebase bills** by restructuring Firestore document model to ensure *minimum document reads and writes*;

### Gorin Systems

Flutter and Firebase Developer

Brooklyn, New York

Jun 2021 - Aug 2021

- Wrote new features for different client apps and enhanced User Interfaces of 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 efficiently the agile way, took ownership of tickets and found and fixed bugs in ongoing projects

## PROJECTS

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### UniLink

<https://www.unilinkapp.com/>

Fort Worth, Texas

Mar 2023 - Present

- **Independently** developed a **full-stack** web application that helps in connecting college students to their peers;
- A reddit-like design, with support for comments, posts, and images;
- User authentication using Google Sign in (Implemented using Firebase authentication);
- Integrated **push notifications using Node.js** (Firebase Cloud Messaging);
- Responsive User-Interface that supports all devices;
- Based on the riverpod architecture and deployed on **Vercel**.

### CoviCare

<https://bit.ly/3PAMiSC>

Lucknow, Uttar Pradesh, India

Apr 2021 - May 2021

- **Independently** developed an app which helped in finding Covid-19 resources;
- Integrated **Twitter API** to fetch and sort data, and added a search bar to find Covid-19 resources in a city;
- Based on the **MVVM design pattern**, and uses **Firebase Authentication** (*phone and email verification using OTP*);
- Achieved **500+ downloads on the Google Play Store** and 4.6/5.0 app store rating without any marketing efforts;