

# Sachin Kumar

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## EDUCATION

### Chandigarh Group of Colleges

*Bachelor of Technology in Computer Science Engineering*

Landran, Punjab

2019 – 2023

### Shishu Niketan Public School

*Intermediate Class 12, Class 10*

Chandigarh

March 2019

## EXPERIENCE

### Mac/iOS Developer

July 2023 – Present

*42 Gears Mobility Systems Private Limited*

Bangalore

- Developed jobs for installing, upgrading, and uninstalling apps (PKG, DMG, and PKG inside DMG) using command-line helper tool and shell scripting
- Implemented ordered and unordered downloads for file transfer functionality
- Enabled location-based job execution using geofencing and reverse geocoding
- Monitored device uptime and hardware changes (RAM, storage, display, battery) using Swift Codable
- Implemented user management features including creation, access control, and password management
- Developed remote device actions (reboot, shutdown, sleep) with user notifications
- Implemented analytics and log collection, crash ips collection for device events and app usage
- Resolved issues related to network extensions, remote support, QR enrollment, WebView enrollment and architectural improvements
- Managed process daemonization, agent launching, menu bar apps, and packaging (DMG, PKG)
- Just-in-time (JIT) to elevate privileges for users

### Mac/iOS Developer Intern

February 2023 – June 2023

*42 Gears Mobility Systems Private Limited*

Bangalore

- Learned and implemented solutions using Swift, UIKit and SwiftUI
- Worked with asynchronous programming for optimized performance
- Gained expertise in PKG/DMG creation, signing, and notarisation
- Worked with CoreData, UserDefaults, Keychain, and Managed Configuration
- Utilized macOS Terminal scripting for automation, Jira for issue tracking, and SonarQube for code quality

## PROJECTS

### NotingDown | *SwiftUI, Core Data, iOS*

2025

- Developed a feature-rich note-taking application for iOS using SwiftUI and Core Data
- Published on Apple App Store: [apps.apple.com/notingdown](https://apps.apple.com/notingdown)
- Open source project available at: [github.com/sachin6174/NotingDown](https://github.com/sachin6174/NotingDown)

### Secure Text | *JavaScript, Chrome Extension, Cryptography*

2024

- Built a Chrome extension for text encryption/decryption with password protection
- Implemented Base64 and Base32 encoding/decoding functionality
- GitHub Link: [github.com/sachin6174/secure-text-chrome-extension](https://github.com/sachin6174/secure-text-chrome-extension)
- Chrome Web Store: [chromewebstore.google.com/detail/secure-text/ankgchfieimijhlcjcongijapefmei](https://chromewebstore.google.com/detail/secure-text/ankgchfieimijhlcjcongijapefmei)

### QR Encoder Decoder | *JavaScript, QR Code API, Cryptography*

2024

- Developed a Chrome extension that combines encryption with QR code generation
- Implemented multi-iteration encryption with password protection
- GitHub Link: [github.com/sachin6174/YBV-QR-Encoder-Decoder](https://github.com/sachin6174/YBV-QR-Encoder-Decoder)
- Chrome Web Store Link: [chromewebstore.google.com/detail/ybv-qr-encoder-decoder/bkfdepagfbledopemnbibcpcmainlfam](https://chromewebstore.google.com/detail/ybv-qr-encoder-decoder/bkfdepagfbledopemnbibcpcmainlfam)

## TECHNICAL SKILLS

**Languages:** Swift, Objective-C Basics, JavaScript, SQL, C++

**Frameworks & Technologies:** UIKit, SwiftUI, CoreData, React, Node.js

**Developer Tools:** Xcode, Git, GitHub, GitLab, MongoDB

**Others:** iOS Development, MVC/MVVM, XCTest, XCUITest, System Design, Debugging