

AKHILANAND SIRRA

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EDUCATION

Master of Science, Software Engineering Systems *May 2023*
Northeastern University, Boston, MA GPA: 3.8
Coursework: Object-Oriented Design, Algorithms, Enterprise Software, Design Patterns, Web Development
Bachelor of Engineering, Information Technology *June 2021*
Chaitanya Bharathi Institute of Technology, Hyderabad, India
Coursework: Algorithms & Data Structures, Database Systems, Software Engineering, Operating Systems

TECHNICAL SKILLS

Programming	Java, Python, Swift, C/C++, JavaScript, Kotlin
Web Development	HTML, CSS, XML, JUnit, XCTest, React, Node.js, Express, Figma
Database & API	SQL, Relational Databases, MongoDB, GraphQL, Combine, GCD
Tools & Technologies	Git, Android, iOS, XCode, SwiftUI, GA4, Agile, UIKit, CocoaPods, Carthage, SPM

EXPERIENCE

Purs *July 2023 – Present*
iOS Software Engineer *Portland, OR*

- Spearheaded iOS development, including feature ideation, analytics, automated testing & App Store distribution
- Replaced AWS Pinpoint framework with a custom logger, achieving a 99.92% size reduction for app clip optimization
- Implemented automated test case suites to elevate code test coverage from 0% to 90% using XCTest & XCUITest

Northeastern University *January 2023 – May 2023*
Graduate Teaching Assistant – Data Structures & Algorithms *Boston, MA*

- Mentored and oversaw over 150 students while delivering constructive feedback and coaching on best practices
- Created and evaluated course assignments and LeetCode-style quizzes to assess student learning and progress

Peapod Digital Labs *June 2022 – December 2022*
iOS Developer *Quincy, MA*

- Created components using SwiftUI to enhance functionality and user experience on the mobile application
- Utilized Google Analytics 4 to measure traffic and track engagement across the native mobile application
- Optimized Product Listing UX by developing a dynamic tile height algorithm, avoiding code refactoring & overhead
- Implemented Empty States for Native Cart covering all possible scenarios, including Active Orders

Cognizant *April 2021 – July 2021*
Program Analyst Trainee – Android *Hyderabad, India*

- Developed an Android application to simplify the tedious task of manually searching & uninstalling malicious apps
- Implemented Hash Table algorithm to slash app scanning time by 85% & boost app rendering performance by 30%
- Refactored code and used Java 8 lambdas and streams, leading to a 15% reduction in number of code lines

PROJECTS

NYC Schools | GITHUB *March 2023 – March 2023*
SwiftUI, XCode, Concurrency, GCD, XCTest, Node.js, Express *JPMC – iOS Coding Challenge*

- Developed an iOS application using SwiftUI & MVVM architecture to display information about NYC high schools
- Implemented API using node.js & express, wrote unit test cases, optimized UX with light/dark mode & animations

CBIT Login Automation App | GITHUB *June 2020 – August 2020*
SwiftUI, XCode, GCD, XCTest, WebKit

- Developed and designed an iOS Application to automate logging into CBIT portal using SwiftUI and WebKit
- Improved student logging time by 80% from 15 seconds to 3 seconds