

# Mufrat Aritra

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📍 New York, USA

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## Skills

### Languages

Java, Kotlin, Swift, JavaScript, TypeScript, Python, C#, C++.

### Android

Jetpack Compose, Coroutines, Flow, RxJava, Dagger Hilt, Callback, XML, Android SDK, Multithreading, Gradle.

### iOS

SwiftUI, Codable, Cocoa Touch, UIKit, ARKit, Firebase.

### Web/Cross Platform

Node.js, React Native, Hooks, Redux, Axios, JSON, CSS.

### Dev Tools & Methodologies

SCRUM, CI/CD, MVVM, MVC, SQL, SQLite, Git, AWS, Azure.

## Education

### Bachelor of Science,

*Farmingdale State College* ✕

May 2021 | New York, USA

GPA: 3.7 (Cum Laude)

## Professional Experience

### Product Owner, *LegoCode Startup*

October 2022 – May 2023

- Led a team of 4 developers using agile methodologies to plan, execute, and publish cross-platform mobile applications, successfully launching Movie Mate on major platforms including Google Play Store and Apple App Store.
- Engineered the backend architecture, leveraging TMDB APIs to display over 850,000 movie and 2 million actor records.
- Designed divide-and-conquer and depth-first-search algorithms to seamlessly combine data sets from TMDB and OMDB APIs, delivering user queries of actor social medias (Instagram, TikTok) and movie ratings (IMDb).
- Spearheaded 10+ product mockups, creating 7 custom designs entering into Spring production line.

### Android Developer, *Citi* ✕

April 2022 – August 2022

- Led the greenfield development of a versatile investment projection dashboard at Citibank, designed from scratch to cater to Citigold and premier clients.
- Engineered and deployed stable features for the Citi Mobile App, focusing on intuitive navigation and real-time investment analytics.
- Continuous Integration/Deployment with GitHub Actions, Jira and Bitbucket; Pull Requests, Code Reviews and Automating Workflows.

### Mobile Engineer, *Freelance*

May 2021 – April 2022

- Developed Swift Storm, a dark-mode weather app in iOS, featuring Core Location to provide real-time, location-based weather forecasts with 97% accuracy.
- Developed World Cup 2022 Tracker, a sports app in Android, featuring Retrofit with REST API to showcase 65 matches, 10+ events per match, and their live updates.
- Published Fast Tasks in Google Play Store, an offline task manager, featuring modern asynchronous techniques with Room, ViewModel and LiveData.
- 1K+ downloads with regular updates and stable features; Unit Testing and Automated Testing (UI/Espresso/Mockito).

## Projects

### Artificial Newspapers ✕

- Pioneered an AR-based iOS newspaper app to establish a new standard in digital media consumption through interactive video overlays.
- Expertly integrated ARKit with cutting-edge technologies for high-accuracy, real-time recognition of newspaper content.
- Crafted an immersive multimedia platform, turning static newspaper pages into dynamic video experiences.

### The City Tutors ✕

- Led the revamp of The City Tutors' platform using a React-Express stack, delivering a seamless tutor-tutee experience for over 200 tutors and 2000+ tutees.
- Seamlessly integrated third-party APIs while leveraging the power of Redux for state management, resulting in a responsive user experience.
- Utilized JWT (JSON Web Token) for user authentication and MongoDB for agile and scalable database management.