

# Manu Rajbhar

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## Skills

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**Programming Languages:** Swift, Python, Java, JavaScript, TypeScript, C++

**Frameworks:** Swift UI, Next.js, Express.js, FastAPI, Spring Boot, TensorFlow

**Technologies:** Git, AWS S3, Docker, PostgreSQL, MongoDB, Firebase

**Soft Skills:** Problem-Solving, Quick Learning, Adaptability

## Experience

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**Open Source Contributor, OneBusAway-iOS** – OneBusAway Community Oct 2024 – Present

- Migrated a legacy UIKit-based widget to SwiftUI using WidgetKit, implementing a modern iOS 18 WidgetKit-based widget.
- Fixed critical bugs and added support for new iOS 18 tinted and dark app icons, utilizing Apple Design Resources and Figma.
- Invited to TestFlight testing to validate new features, providing feedback and implementing fixes to refine functionality and user experience before release.
- Modernized the widget system to enhance real-time transit data updates and improved app usability.
- **Technologies:** Swift, SwiftUI, WidgetKit, UIKit, Figma
- **Impact:** Modernized the widget system for iOS 18 compatibility, significantly enhancing the user experience with real-time transit data and improving the app's visual identity with modernized app icons for light and dark modes.
- **Pull Requests:** [New iOS 18 Widget](#), [App Icon Update](#), [Critical Bug Fixes](#)

**Software Developer Intern, Mood-Me** – Texas, United States (Remote) Nov 2023 – Feb 2024

- Modernized an existing internal application feature, including a redesign of the UI using React.js
- Collaborated with team members to design and implement user interfaces
- Improved site-wide load times by reducing AI Model loading time by 5%, leading to faster web page loading
- Integrated Redux.js for efficient state management, improving application performance and scalability

## Education

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**Graphic Era Hill University** – B Tech in Computer Science and Engineering

Expected June 2026

*Coursework:* C, Java, C++, OOPs, Web Programming, DSA, Python

## Projects

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**Cookbook AI | Swift, SwiftUI, WidgetKit, UIKit, REST APIs**

[GitHub](#)

- An iOS app helping users find recipes based on available ingredients
- Trained an image classification model using TensorFlow, converted to Core ML.
- Developed user interface using Swift UI for an intuitive and visually appealing experience
- Implemented API and UI tests to verify functionality and enhance reliability
- Integrated Firebase Authentication for secure user login, registration, and data storage

**Drawyy | Next.js, FastAPI, TypeScript, Python, Docker, Tailwind, MongoDB**

[GitHub](#)

- A collaborative web application for real-time drawing and generative art creation.
- Designed and developed a responsive and interactive frontend using Next.js and TypeScript.
- Implemented collaborative drawing functionality with live updates, leveraging HTML5 Canvas and WebSocket connections.
- Engineered the backend with FastAPI, implementing RESTful APIs.
- Used MongoDB for user data and session metadata, and Cloudinary for media storage and handling.