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## OUR TRAINEES GOT PLACED IN



.....Still  
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## ABOUT US!

Payilagam, the **Best Software Training Institute In Chennai With 100% Placement Guarantee**, has been shaping successful IT careers with over **13+ Years Of Experience**. We provide real-time, industry-focused training led by **Experienced Professionals** from the IT industry, ensuring you gain practical skills that companies actually need. Our courses include **HTML, CSS, JavaScript, React, Java, Python, PostgreSQL, GitLab, And WordPress**, designed to make you job-ready from day one. At Payilagam, we don't just teach, we guide you step-by-step towards your career with our **100% Job Guaranteed Courses**, helping you confidently step into the IT industry.



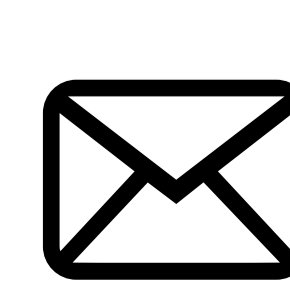
## OUR INFRASTRUCTURE



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# OUR LATEST PLACEMENTS



Megha **BE AI (2025)**

ML DATA ASSOCIATE ROLE 1



Sasireka **MSc. CS (2025)**

ASSISTANT SYSTEM ENGINEER



Divya Bharathi **BE ECE (2026)**

SOFTWARE ENGINEER



Ramya **B.E. CSE (2025)**

DATA ANALYST



Vidhya Varshini  
**B E Aeronautical (2025)**

WEB DEVELOPER



Deenadhayalan **BSc CS (2025)**

TECHNICAL SUPPORT ENGINEER



Dharshini E **B.E CSE (2025)**

FULL STACK DEVELOPER INTERN



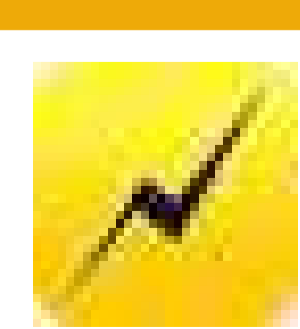
Vimala G **BE ECE (2016)**

SOFTWARE ENGINEER



Ramesh **B.Com (2025)**

SOFTWARE ENGINEER



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# OUR LATEST PLACEMENTS



Sathish **MSc (2023)**

SOFTWARE ENGINEER



Ranjith **BSc Physics(2021)**

ANGULAR DEVELOPER



Bharath **MSc Maths ( 2021)**

ANGULAR DEVELOPER



Iyappan **MCA (2025)**

SOFTWARE ENGINEER



Bhuvana Sri R **B.E CSE (2025)**

SOFTWARE ENGINEER



Pavithra **MCA (2025)**

NETWORK ENGINEER



Keerthika **MCA (2025)**

REACT DEVELOPER



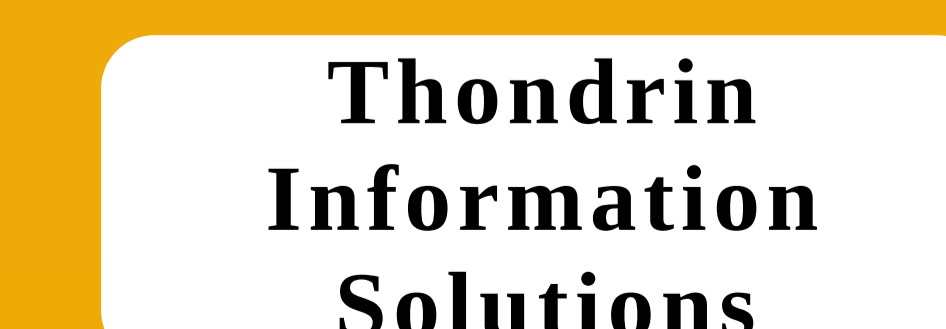
Vasanth S **B.E Mech ( 2021)**

SOFTWARE ENGINEER



Gayathri **BE CSE (2025)**

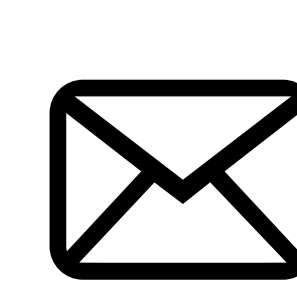
SOFTWARE ENGINEER



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# OUR LATEST PLACEMENTS



Vadivu Lakshmi G  
**MSc Chemistry(2018)**

FULL STACK DEVELOPER INTERN



Ponvel M **BE CSE (2024)**

SOFTWARE ENGINEER

Thondrin  
Information  
Solutions



Uthaya **ME (2015)**

ANGULAR DEVELOPER



AJAY RAJA **B.Tech CSE (2025)**

DEVOPS ENGINEER INTERN



Ashok **BE ECE (2025)**

DATA ANALYST INTERN



Manikandan **B.Sc (2025)**

DATA ANALYST



Vigneshwaralingam  
**B.E CSE (2025)**

SOFTWARE ENGINEER



Swetha.P **B.Sc CS (2025)**

SOFTWARE ENGINEER INTERN



Kavya S **BE CSE (2025)**

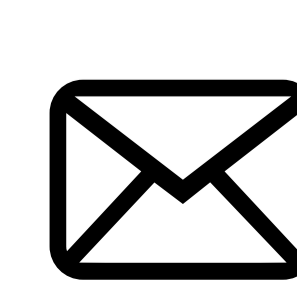
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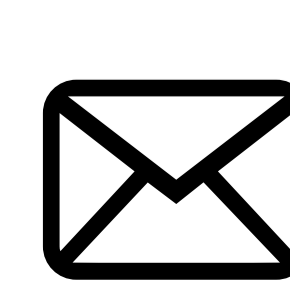
## ANDROID DEVELOPMENT

### Module 1: Introduction To Kotlin And Your First App

- **Kotlin Fundamentals:**
  - Variables (Val Vs Var) And Data Types
  - Control Flow: If/Else, When Expressions, And For/While Loops
  - Basic Functions: Parameters, Return Types, And Default Arguments
  - Null Safety Basics: Nullable Types Vs Non-Nullable Type
- **Environment Setup:**
  - Installing And Configuring Android Studio.
  - Understanding The Project Structure (Manifests, Java/Kotlin, Res).
  - Using The Device Manager (Emulator) Vs Physical Device.
- **First App Concepts:**
  - Creating A "Hello World" Project.
  - Working With Text And Image Composables.
  - Basic Resource Management (Strings.Xml, Drawables).

### Module 2: Building App UI With Jetpack Compose

- **Intermediate Kotlin:**
  - Object-Oriented Programming: Classes, Objects, And Inheritance, Collections: Lists, Sets, And Maps.
  - Lambdas And Higher-Order Functions.
- **Interactive UI & State:**
  - Understanding State: Remember, MutableStateOf, And RememberSaveable, State Hoisting: Moving State Up To Make Components Reusable.
  - Input Components: Buttons, TextFields, Switches, And Sliders.
- **Layouts And Modifiers:**
  - Standard Layouts: Row, Column, And Box.
  - Modifiers: Padding, Sizing, Background, Borders, And Click Handling, Arrangement Vs. Alignment
- **Material Design 3:**
  - Scaffolds: TopAppBar, FloatingActionButton, And BottomBar.
  - Material Components: Cards, Dividers, And Surfaces



## ANDROID DEVELOPMENT

### Module 3: Lists, Themes, And Styles

- **Efficient Lists:**
  - LazyColumn And LazyRow For Performant Scrolling.
  - Creating Custom List Items (Row/Column Composition).
  - Adding Spacing And Content Padding In Lists.
- **Theming & Styling:**
  - Defining Color Schemes (Light Vs. Dark Mode).
  - Typography: Custom Fonts And Text Styles.
  - Shapes: Rounded Corners And Custom Clipping.
  - CompositionLocal: Accessing Themes Throughout The App.

### Module 4: Navigation And App Architecture (Basic MVVM)

- **Navigation Component:**
  - Setting Up The NavController And NavHost.
  - Defining Routes And Navigating Between Screens.
  - Passing Arguments Between Destinations.
- **App Architecture Basics:**
  - Separation Of Concerns: Decoupling UI From Business Logic.
  - Unidirectional Data Flow (UDF) Patterns.
- **ViewModel:**
  - Implementing ViewModel Classes.
  - Managing UI State With StateFlow Or LiveData.
  - Handling Configuration Changes (Screen Rotation).

### Module 5: Data Persistence

- **Local Preferences:**
  - Preferences DataStore For Simple Key-Value Pairs.
  - Storing User Settings And Flags.
- **Room Database:**
  - Entities: Defining Database Tables.
  - DAOs (Data Access Objects): Defining SQL Queries As Functions.
  - Database Instance: Using The Singleton Pattern For The Database.



## ANDROID DEVELOPMENT

### Module 6: Networking And Advanced Topics

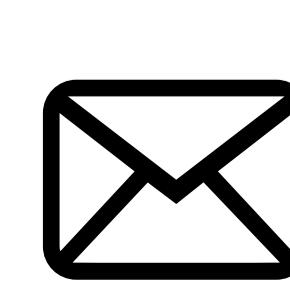
- **Networking With Retrofit:**
  - REST API Basics And JSON Structures.
  - Defining Retrofit Interfaces And API Services.
  - **Data Parsing:**
    - Using Gson Or Kotlinx Serialization.
- **Concurrency With Coroutines:**
  - Suspend Functions And Coroutine Scopes (ViewModelScope).
  - Dispatchers: Main (UI), IO (Network/Disk), And Default (CPU).
  - Exception Handling In Network Calls.
- **Image Loading:**
  - Integrating The Coil Library.
  - Loading Images From URLs Into Compose.
  - Handling Placeholders And Error States.

### Module 7: Later Units: Adaptive UI, Testing, And More

- **Adaptive Layouts:**
  - Window Size Classes (Compact, Medium, Expanded).
  - Implementing List-Detail Panes For Tablets And Foldables.
- **Debugging:**
  - Using Logcat For Logs.
  - Debugging With Breakpoints And The Layout Inspector.

### Module 8: Map And Location

- **Google Maps Integration:**
  - Getting An API Key And SDK Setup.
  - GoogleMap Composable Basics.
- **Map Objects:**
  - Markers: Adding, Customizing, And Click Events.
  - Shapes: Drawing Polylines, Polygons, And Circles.
- **Location Services:**
  - Handling Runtime Permissions (Fine Vs. Coarse Location).
  - **Fused Location Provider:**
    - Getting Current And Periodic Location Updates.



## ANDROID DEVELOPMENT

### Module 9: MVVM Pattern (Architectural Deep Dive)

- **View:** Compose UI That Observes And Reacts To State.
- **ViewModel:** Acts As A Bridge, Holding State And Processing Events.
- **Model:** Data Layer Consisting Of
  - **Repositories:** The Single Source Of Truth For Data.
  - **Data Sources:** API Services And Local Databases

### Module 10: Android Components

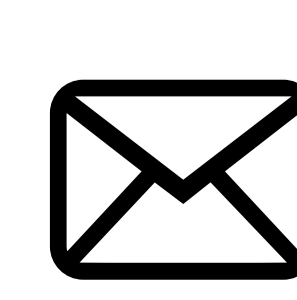
- **Activity:** The Entry Point For Interacting With The User.
- **Service:** Running Background Tasks.
- **Broadcast Receiver:** Listening For System-Wide Events (Battery Low, Airplane Mode).
- **Content Provider:** Managing And Sharing App Data With Other Apps.
- **Intents:** Explicit Vs Implicit Intents For Inter-Component Communication.

### Module 11: Firebase Integration

- **Authentication:** Email/Password, Google Sign-In, And Phone Auth.
- **Firestore:** NoSQL Real-Time Cloud Database.
- **Crashlytics:** Real-Time Crash Reporting And Analysis.

### Module 12: Next Steps & Projects

- **To-Do List App:** Practice Room Database, CRUD Operations, And ViewModels.
- **Weather App:** Practice Retrofit, Coroutines, And JSON Parsing.
- **Final:** A Full-Featured App Combining Navigation, Network, Local Data, And Firebase.
- **Dependency Injection:** Learning Hilt Or Koin To Manage Dependencies.



## ANDROID DEVELOPMENT

### Module 13: Play Store Deployment

- **App Preparation:** App Bundle (AAB), ProGuard And R8: Code Shrinking And Obfuscation, App Versioning And Version Codes.
- **Play Console Management:** Creating A Developer Account, Store Listing, Privacy Policy And Data Safety Requirements
- **Release Management:** Internal, Alpha, And Beta Testing Tracks, Production Rollout And Monitoring Vitals

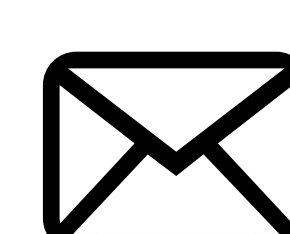
### Module 14: AI Integration For Android Apps

- AI Chatbot Integration In Android App
- Text Generation API (User Input → AI Response)
- Voice Input → AI Response (Basic Assistant Feature)
- AI Auto Reply Feature (Chat App Use Case)
- Image Recognition API Integration (Basic)
- AI-Based Search Feature (Smart Search)
- AI Content Suggestion (Notes / Blog App)
- ChatGPT API Integration In Android
- AI-Based Recommendation Feature (Simple Logic)
- Error Handling For AI API Calls
- Storing AI Responses In Local Database (Room)
- Connecting AI API With MVVM Architecture
- AI Feature Integration With Retrofit
- Basic Prompt Handling Inside App

### Module 15: AI App Projects

- AI Chat App (User Chat → AI Reply)
- AI Notes Generator App
- AI Resume Builder App
- AI Travel Suggestion App
- AI Voice Assistant (Basic Version)

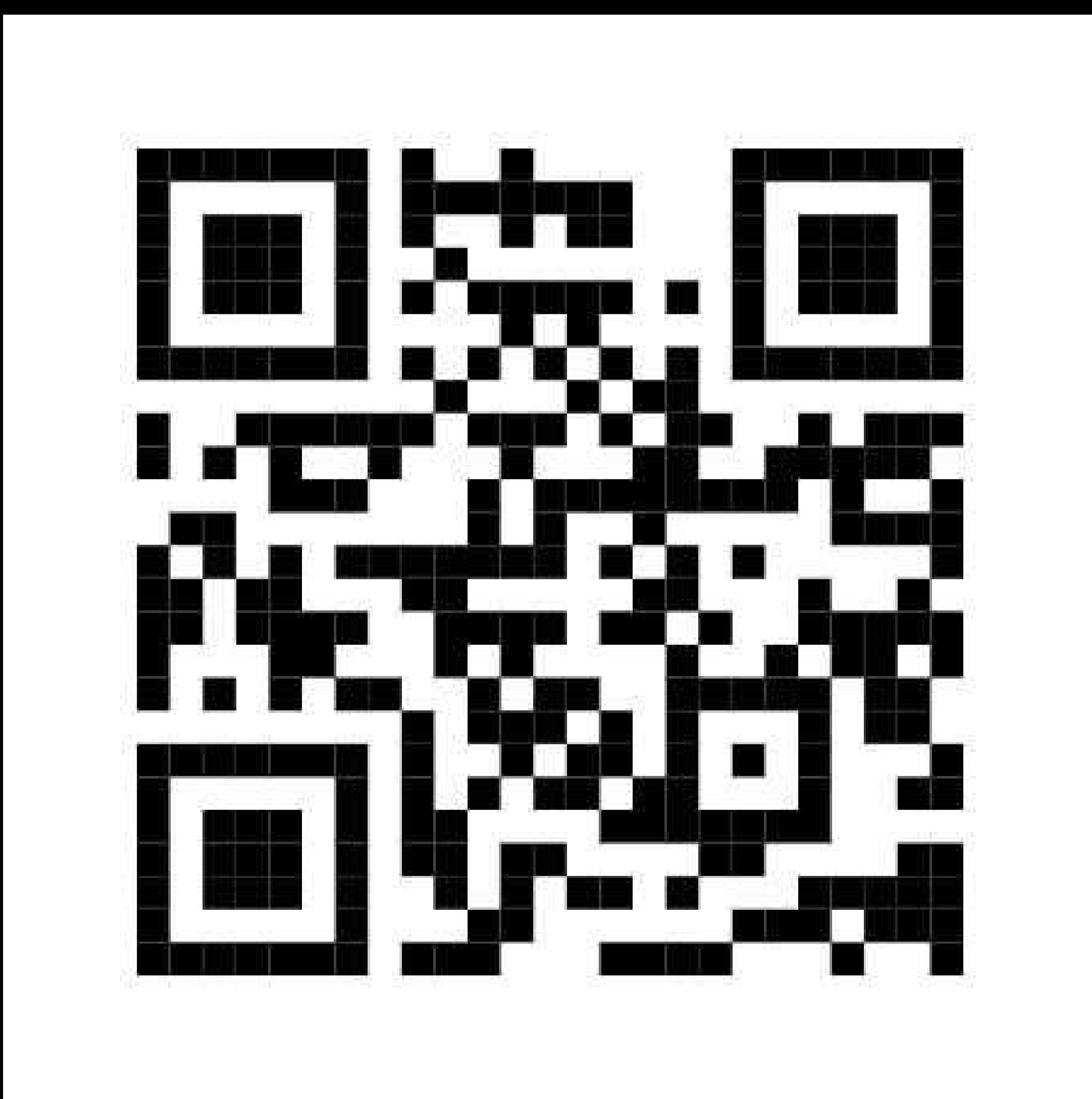
**\*\*\*Assignments Will Be Given After Each Module\*\*\***



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