

# ASWIN KUMAR

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aswinak0330@gmail.com | Flutter Developer | Full Stack Blockchain Engineer (1 Year Experience) | India

## PROFESSIONAL SUMMARY

Enthusiastic Flutter Developer with one year of hands-on experience in developing cross-platform mobile apps, decentralized applications (DApps), and real-time systems. Proficient in Flutter, Dart, Firebase, Node.js, Solidity, and IPFS, with strong expertise in secure communication, payment integrations. Excited to contribute to mobile applications

## TECHNICAL SKILLS

- Languages: HTML,CSS, Dart, JavaScript (Node.js), Solidity
- Frameworks: Flutter, Express.js
- Blockchain: Ethereum, Solidity, Web3.js, ERC20/721, IPFS (Pinata)
- Backend / Cloud: Firebase (Auth, Firestore, Cloud Functions), Google Cloud, Node.js APIs
- Payments & Subscriptions: Razorpay SDK, Chargebee SDK v3 (Product Catalog 2.0)
- Dev Tools: Git, Android Studio, VS Code, Vite, Mixpanel Analytics
- Databases: Firestore, IPFS
- Version Control: GitHub, GitHub Desktop

## PROFESSIONAL EXPERIENCE

### Full Stack Developer Intern

Parental Monitoring Application (Startup) | Oct 2024 – Present

- Developed a data collection and monitoring system for Android devices using Flutter and Firebase.
- Designed scalable Firestore database architecture and APIs for efficient real-time data sync.
- Integrated Chargebee v3 SDK and Razorpay for subscription management with backend validation using Firebase Cloud Functions.
- Deployed Mixpanel analytics for user event tracking and insights.

## PROJECTS

### LAN-to-LAN Audio Calling DApp (WebRTC SDK)

- WebRTC, Firebase Firestore, HTML, CSS, Vite
- Built a serverless WebRTC application for peer-to-peer audio calls within LAN without SIP or signaling servers.
- Implemented a custom signaling system using Firestore for establishing LAN-based connections.
- Designed a LAN WebRTC SDK and project for easy integration in decentralized networks.

### NFT Marketplace MVP (React + Ethereum)

- React, Solidity, IPFS, Node.js
- Built a minimal NFT marketplace DApp for minting and trading NFTs using Pinata IPFS for metadata.
- Handled rate limit optimizations for Pinata gateway integration.
- Used Node.js backend APIs for metadata fetching and token management.

### Blockchain Certificate Verification DApp (Ethereum + Web3)

- Solidity, Ethereum, Hardhat, Web3.js, MetaMask, Vite, HTML/CSS
- Built a decentralized certificate issuance & verification platform with on-chain storage of certificate metadata and verifiable SHA3 hashes.
- Developed smart contracts to securely store certificate details and implemented cryptographic hashing for tamper-proof authenticity checks.
- Integrated Web3.js for wallet connection, transaction execution, and blockchain certificate validation in real-time frontend UI.
- Automated contract deployment using Hardhat & optimized transaction flow for seamless certificate minting and verification.

## EDUCATION

Bachelor of Engineering (B.E.) – Electronics and Communication Engineering  
Sathyabama Institute of Science and Technology, India — Graduation: 2026

Primary and Secondary Education:

Kola Perumal Chetty Vaishnav Senior Secondary School, India — 2007 to 2022

## **CERTIFICATIONS & ACHIEVEMENTS**

- Exceptional Performance Award – Full Stack Developer (Startup)

## **KEY STRENGTHS**

- Cross-platform development (Flutter, Web 2 &3, Blockchain)
- Real-time systems using Firebase, WebRTC
- REST- API design & serverless architecture
- Payments & subscriptions integration (Razorpay, Chargebee)

## **INTERESTS**

- Decentralized Networks & Web3 Infrastructure
- IoT Security & Data Analytics
- Mobile App Optimization
- Smart Contracts & Tokenization

## **Soft Skills**

- Eager to learn and grow
- Good communication skills
- Problem-solving mindset
- Takes feedback constructively
- Resilient and adaptable to challenges