

# AKSHAY KUMAR PATRA

Full-Stack & Mobile App Developer

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## PROFESSIONAL SUMMARY

Full-Stack & Mobile App Developer specializing in Flutter and MERN stack development. Built production-ready applications with focus on scalable architecture, clean UI/UX, and secure data handling. Experienced in complete product lifecycle from design through deployment with strong foundation in REST APIs and authentication systems.

## TECHNICAL SKILLS

**Languages:** JavaScript, Python, Dart, HTML, CSS, SQL

**Mobile:** Flutter, Dart, Android SDK, Riverpod, Rive, Cross-platform Development

**Backend:** Node.js, Express.js, Supabase, PostgreSQL, REST APIs, Authentication

**Frontend:** React, MongoDB, Responsive Design

**Tools:** Git, GitHub, Firebase, Figma,

**Architecture:** Clean Architecture, MVC, State Management, System Design

## PROFESSIONAL EXPERIENCE

### HRHNext Services Limited

Hyderabad, Telangana, India

*Customer Service Agent – IRCTC e-Ticketing Process*

June 2025 – October 2025

- Provided technical support for IRCTC e-ticketing platform, resolving customer inquiries with 95%+ satisfaction rate across web and mobile platforms
- Handled high-volume support requests for Indian Railway's digital ticketing system, collaborating with technical teams to identify recurring issues and improve user experience

## PROJECTS

### Family – Family Memory Preservation App

GitHub

*Flutter, Dart, Supabase, PostgreSQL, Figma*

January 2025 – Present

- Developed production-ready private family app for secure preservation of photos, voices, and stories with end-to-end encryption
- Built cross-platform mobile app using Flutter with Supabase for authentication, database, and storage, reducing load times by 40%

### SLOOZE Assignment – Backend System

GitHub

*Node.js, Express.js, JavaScript*

- Completed take-home backend assignment demonstrating proficiency in Node.js and Express.js API development
- Designed and implemented RESTful APIs with proper error handling, validation, and authentication mechanisms

### Medicine Analyser Application

GitHub

*Flutter, Dart, Groq AI, Google ML Kit, Riverpod*

- Built production-ready Flutter app for medicine education with AI-powered analysis, integrating Groq AI for structured JSON responses and Google ML Kit OCR for medicine scanning
- Architected Clean Architecture with Riverpod state management, separating data, domain, and presentation layers with 10+ categorized medical information sections

### Learnx Application – Skill Exchange Platform

GitHub

*Flutter, Dart, Supabase, PostgreSQL, Rive, Figma*

- Developed social networking platform enabling users to connect and exchange skills with real-time matching algorithms and user messaging for 500+ potential interactions
- Built full-stack architecture using Flutter/Dart, Supabase (Auth, PostgreSQL, Realtime subscriptions), and integrated Rive animations for smooth micro-interactions
- Implemented state management patterns for efficient data flow across profile management, skill listing, connection requests, and chat features

### Custom Shell Implementation

GitHub

*Python*

- Built Unix-like shell from scratch in Python with core shell functionalities, command parsing, and process management

## EDUCATION

**AccioJob** – MERN Full Stack Development

January 2026 – November 2026

**Academy of Business Administration** – Bachelor of Computer Application (BCA)

January 2022 – April 2025

## ACHIEVEMENTS & CERTIFICATIONS

- **JavaScript Specialist Certification** – Advanced proficiency in JavaScript programming
- **Deloitte Australia – Data Analytics Job Simulation** – Hands-on data analytics simulation
- **Introduction to Android Mobile Application Development** – Android development fundamentals
- **Generative AI Certificate** – Core AI concepts and generative model understanding
- **UX/UI Design Certificate** – Design principles and user-centric solution creation
- **AWS APAC Solutions Architecture Job Simulation** – AWS cloud solutions and scalable system design