Praveen Jangir

React Native Developer — AI/ML Integration Specialist

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Professional Summary

Experienced React Native Developer with 3+ years of expertise in building intelligent cross-platform mobile applications. Specialized in integrating AI/ML models into mobile apps, creating seamless user experiences with on-device machine learning, computer vision, and NLP features. Strong foundation in both mobile development and artificial intelligence.

Education

Indian Institute of Technology, Patna   **Patna, Bihar**
M.Tech in Artificial Intelligence

Rajasthan Technical University   **Jaipur, Rajasthan**
B.Tech in Computer Science and Engineering

Achievements: Qualified GATE (CS) — Qualified UGC-NET (CS)

Professional Experience

React Native Developer — AI/ML Integration   **Feb 2023 – Aug 2024**
Quirinus Solutions   *Remote*

- Developed cross-platform mobile apps integrating AI/ML features for 10K+ users.
- Implemented ML model inference with TensorFlow Lite and ONNX Runtime.
- Built real-time AI features including image recognition and predictive analytics.
- Integrated LLM-based chat interfaces using LangChain and OpenAI APIs.
- Optimized inference time by 60% via quantization and native optimization.
- Managed complex state with Redux Toolkit and designed REST APIs for ML tasks.

Mobile Application Developer   **Dec 2021 – Feb 2023**
Rubix Data Science   *Remote*

- Built mobile apps for financial analytics using React Native and D3.js.
- Implemented secure JWT and biometric-based authentication.
- Created real-time sync using Socket.io and WebSocket.
- Integrated Python ML services into dashboards for predictive analytics.

Technical Skills

Mobile Development: React Native, React.js, JavaScript, TypeScript, Expo, Redux Toolkit
AI/ML Integration: TensorFlow Lite, ONNX Runtime, PyTorch Mobile, ML Kit, Hugging Face, LangChain
Backend & APIs: Node.js, Express.js, REST, GraphQL, Socket.io, Firebase
Databases: MongoDB, PostgreSQL, MySQL, Redis, SQLite, Realm
DevOps & Tools: Git, Docker, AWS (EC2, S3), CI/CD, GitHub Actions, Jest, Detox
Languages: JavaScript, Python, TypeScript, Java, C++, Bash
Other: Prompt Engineering, RAG Systems, Computer Vision, NLP, Linux

Key Projects

AI-Powered Image Enhancement App   *Quirinus Solutions*
Role: React Native Developer & ML Integration Lead

- Developed on-device ML photo enhancement with real-time processing.
- Integrated TensorFlow Lite for segmentation and style transfer (30 FPS).
- Implemented native modules for optimized inference on Android/iOS.
- Built fluid UI using Reanimated and Redux Persist for offline mode.
- **Tech Stack:** React Native, TensorFlow Lite, PyTorch, Redux, RevenueCat

Smart Voice Shopping Assistant   *Quirinus Solutions*

Role: Full Stack Mobile Developer

- Built voice-based shopping app using speech recognition and GPT models.
- Implemented RAG pipeline with FAISS vector search for recommendations.
- Used WebSocket for real-time conversational AI and response streaming.
- **Tech Stack:** React Native, LangChain, OpenAI API, Node.js, MongoDB

Real-Time Object Detection Marketplace   *Personal Project*

Role: Solo Developer

- Developed AR-based marketplace for object recognition and price comparison.
- Used YOLOv8 via ONNX Runtime Mobile for real-time object detection.
- Implemented local inference with cached data for offline-first experience.
- **Tech Stack:** React Native, YOLOv8, ONNX Runtime, SQLite, Vision Camera

Personalized News Aggregator with Sentiment Analysis   *Personal Project*

Role: React Native Developer & ML Engineer

- Built personalized news feed with AI summarization and sentiment analysis.
- Used Hugging Face models for multilingual summarization and sentiment.
- Added on-device translation using ML Kit and React Query caching.
- **Tech Stack:** React Native, Hugging Face, FastAPI, PostgreSQL, ML Kit

Certifications

- AWS Solutions Architect – Associate
- React Native Certification – Meta
- Deep Learning Specialization – Coursera

Areas of Interest

- Mobile AI/ML Integration
- On-Device Machine Learning
- Computer Vision Applications
- Conversational AI & Chatbots
- Cross-Platform Development
- Real-Time Systems

Languages

Hindi (Native), **English** (Fluent)