Prabin Karki

www.prabinkarki789.com.np
github.com/prabin2058

Email : Prabinkarki789@gmail.com
Mobile : +977 9803491612
Kathmandu, Nepal

Professional Summary

Full Stack Developer with 1+ year of experience in software development, specializing in **Django, Django REST Framework, React.js, and React Native**. Experienced in developing RESTful APIs, responsive web interfaces, and cross-platform mobile applications. Strong foundation in **Python, JavaScript, databases, and software development**, with hands-on experience in API integration, authentication, database management, and application deployment. Familiar with **Artificial Intelligence and Machine Learning**, with a growing focus on data analysis, model development, and AI-powered applications. Passionate about writing clean, maintainable code and building reliable, user-focused software solutions.

Technical Skills

- **Languages**: Python, JavaScript (ES6+), SQL, HTML5, CSS3
- **Frontend**: React.js, React Native, Next.js, Redux, Tailwind CSS, Bootstrap, Ant Design, Responsive Design
- **Backend**: Django, Django REST Framework, Node.js, Express.js, RESTful APIs, JWT Authentication
- **Databases**: PostgreSQL, MySQL, MongoDB, Database Design, Relational Modeling
- **Tools & Platforms**: Git, GitHub, Docker, Postman, VS Code, Linux, Azure

Experience

- **Full Stack Developer Intern (Django, React Native & React)** — Dec 2025 – Feb 2026
  Renew Me Engineering Consult Pvt. Ltd. — *Kathmandu, Nepal*
  - **Full Stack Development**: Completed a three-month internship focused on full-stack development using Django and Django REST Framework for backend API development and React.js for frontend development.
  - **Backend Development**: Developed RESTful APIs using Django REST Framework and worked with relational databases for application data management and business logic.
  - **Frontend Development**: Built responsive web interfaces using React.js and integrated frontend components with backend REST APIs.
  - **Development Tools**: Worked with Git, GitHub, Docker, Postman, VS Code, and modern software development workflows.
- **Junior Developer – React Native / Mobile App Development** — Feb 2026 – Present
  DarviLab Pvt. Ltd — *Kathmandu, Nepal*
  - **Mobile App Development**: Developing and maintaining cross-platform mobile applications using React Native, focusing on reusable components, responsive UI, navigation, and application performance.
  - **API Integration**: Integrating RESTful APIs with mobile applications and handling authentication, data fetching, error states, and client-side application workflows.
  - **Feature Development**: Implementing and maintaining production features while collaborating with backend developers to integrate APIs, payment workflows, and application services.
  - **Application Maintenance**: Debugging application issues, improving existing features, and contributing to reliable and maintainable mobile application development.

Projects

- **Life Rishi Mobile App** — Mobile Application
  Company Project — *React Native, Expo, TypeScript, WebRTC*
  - **Real-Time Communication**: Integrated Stream Video SDK and WebRTC to support high-definition 1-on-1 audio/video doctor consultations with Picture-in-Picture (PiP) support, along with real-time messaging using Stream Chat.
  - **Authentication & Security**: Implemented multi-provider OAuth authentication using Google Sign-In and Apple Authentication, with secure JWT session storage using Expo SecureStore and automatic token refresh flows.
  - **State Management & Network Layer**: Architected an offline-first data fetching strategy using TanStack Query and Axios interceptors, with Zod schema validation for robust API response and error handling.

- **Push Notifications & Deployment**: Configured multi-platform push notifications using FCM and APNs with deep linking, and implemented OTA updates and EAS CI/CD release pipelines for mobile application deployment.

- **E-Commerce Platform (Full Stack)** MERN Stack
  Personal Project *React, Node.js, MongoDB*
  - **Backend Architecture**: Developed a scalable RESTful API using Node.js and Express.js to handle product inventory, order processing, and user data management.
  - **Security Implementation**: Integrated JWT (JSON Web Tokens) and bcrypt for secure user authentication, password hashing, and protected route authorization.
  - **Frontend Experience**: Built a responsive component-based UI with React.js, featuring dynamic product filtering, shopping cart state management, and checkout flows.
  - **Database Design**: Designed MongoDB schemas using Mongoose ODM to store user accounts, products, categories, and order information.
- **QR Branding System** Web Application
  Internship Project *Django, Django REST Framework, React.js, PostgreSQL*
  - **System Development**: Developed a web-based QR branding platform that generates unique QR codes for agricultural products and links them to dynamic digital landing pages.
  - **Backend Implementation**: Built RESTful APIs using Django and Django REST Framework to manage product data, farmer details, and QR code generation with PostgreSQL database integration.
  - **Frontend Development**: Developed a responsive React.js interface to display product information including farmer details, farm location, and product information when a QR code is scanned.
  - **Product Traceability**: Implemented QR-based product traceability that enables customers to verify product information through mobile devices.
- **Local RAG PDF Q&A Web Application** Full-Stack Project
  Personal Project *React.js, FastAPI, ChromaDB, Ollama, Tailwind CSS*
  - **Interface & State Management**: Designed and developed a responsive two-column chat workspace using React.js, Tailwind CSS, Zustand, and TanStack Query with optimistic message updates, mobile drawer navigation, and real-time polling.
  - **RAG Pipeline & Local AI**: Engineered an offline Retrieval-Augmented Generation (RAG) pipeline using sentence-transformers for local CPU embeddings, ChromaDB for vector retrieval, and Ollama for private local LLM inference.
  - **Document Ingestion & Citations**: Implemented asynchronous PDF parsing and document chunking with processing status tracking and interactive page-level source citations for answer verification.
  - **Security & Data Isolation**: Implemented JWT authentication using bcrypt and PyJWT with per-user database and vector index isolation using SQLAlchemy, Alembic migrations, and SQLite.

Education

- **Asian School of Management and Technology** Kathmandu
  B.Sc. in Computer Science and Information Technology (CSIT) *2022 – Present*
  - **Relevant Coursework**: Data Structures & Algorithms, Object-Oriented Programming (Java), Web Technology, Database Management Systems (DBMS), Software Engineering, Artificial Intelligence.
- **National School of Science** Kathmandu
  High School Degree in Science *2018 – 2020*

Core Competencies

- **Software Development**: Full-Stack Development, Mobile Application Development, REST API Development, API Integration, Database Management.
- **Software Engineering**: Clean Code, MVC Architecture, REST API Design, Authentication, Debugging, Application Maintenance.
- **Soft Skills**: Analytical Problem Solving, Technical Communication, Team Collaboration, Adaptability, Time Management.

Extra-Activities

- **Hobbies and Interests**: Coding, Watching Movies, Swimming, Hiking