Shivansh Nigam

+91 7706 965 245 | nigamman20@gmail.com / LinkedIn / GitHub | Portfolio

Career Objectives

A Motivated Computer Science student with a passion for software development, mobile application creation, and problem-solving. Seeking opportunities to leverage my technical skills and hands-on project experience in a dynamic and collaborative tech environment to deliver innovative solutions.

Education

Bachelor of Technology in Computer Science   2023 - 2027
Maharana Pratap Engineering College   *Kanpur, India*

Skills

Programming Languages: C/C++, Python, Dart, HTML/CSS, React
Frameworks & Technologies: Flutter, Android UI Toolkit
Developer Tools: Git, GitHub, Leetcode, Android Studio, Visual Studio
Databases: Firebase, SQLite

Projects

Leo Quotes | *Flutter, Firebase, OneSignal, Shared Preferences*   Google Play Store Link
  – **Flutter Framework**: Utilized Flutter, an open-source UI toolkit, for building a cross-platform app that provides a smooth and responsive user experience with customizable widgets.
  – **Android UI Toolkit**: Integrated Flutter's rich set of widgets and tools for creating dynamic and aesthetically pleasing animations, designs, and transitions within the app.
  – **SharedPreferences**: Leveraged Shared Preferences to securely store user preferences, such as saved quotes and frequency settings, ensuring a seamless user experience across sessions.
  – **Firebase**: Employed Firebase Realtime Database to store, manage, and retrieve quotes efficiently, providing real-time access to the quote library for users.
  – **OneSignal**: Integrated OneSignal for push notifications, allowing users to receive timely updates and reminders for new quotes or updates directly within the app.

Financial System | *React, Firebase, Cloud Firestore*   GitHub Repository Link
  – **Authentication & Security**: Implemented Firebase Authentication for secure login and user management, ensuring data protection with Firestore security rules.
  – **Real-time Transactions**: Utilized Firestore for storing user balances and transactions, enabling real-time updates and preventing unauthorized modifications.
  – **Money Transfer System**: Designed a seamless fund transfer mechanism with Firebase Firestore, enforcing balance checks and transaction validation
  – **Dashboard & User Interface:** Built a responsive React-based dashboard for users to check balances and manage transactions efficiently.
  – **Security & Access Control**: Implemented Firestore security rules to restrict unauthorized data access and prevent manual balance manipulation.

EarthQuake Reader | *Earthquake API, SQLite Database, Geolocator Package*   GitHub Repository Link
  – **Earthquake API Integration**: Integrated a reliable Earthquake API to fetch real-time earthquake data, ensuring accurate and up-to-date information.
  – **Geolocator Package**: Used the Geolocator package to calculate and display earthquake data within a 100 km radius of the user's location.
  – **Dart's dart:convert Library**: Utilized Dart's *dart:convert* library to parse and transform JSON data from the API into structured formats for seamless processing.
  – **SQLite Database**: Implemented SQLite to store and manage earthquake data locally, enabling offline access and persistent storage.
  – **DateTime Utilities**: Leveraged Dart's DateTime utilities to sort and organize earthquake events chronologically for better usability.

Achievements

- Attended a 2-day Android Development Workshop at **IIT Kanpur**. Link
- Contributed to a hackathon organized by **Google Developer Group HBTU**, where we developed a financial security system. Link
- Led a team in the **SIH24 Hackathon** to develop a daily fitness tool, showcasing strong leadership, effective collaboration, and problem-solving skills under high-pressure conditions. Link
- Established and led **Code Nexus**, a collaborative coding community of 8–10 members, fostering an open environment focused on enhancing problem-solving skills, peer learning, and healthy competition.
- Runner-up in **HackIndia Web3 Hackathon** for NFT Marketplace project using Solidity and Solana.