Sanjeev Kumar Singh

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EXPERIENCE

AlignTogether Solutions Pvt. Ltd.   October 2024 – Present
Software Development Engineer - I   *Bhopal, M.P*

Fittr Hart | *Flutter, Dart, Matrix SDK, Bloc,Realm,Firebase, Git*   [Link]
- Developed modern, responsive UI using Flutter.
- Integrated Realm Database for local storage and offline functionality.
- Developed a full-featured chat module with essential messaging features.
- Integrated Matrix SDK for real-time messaging.

Gram Parivartan (Dalmia Bharat) | *Flutter, Provider, Hive, REST APIs, Git, Spring Boot, MYSQL*   [Link]
- Created multiple responsive UI screens using Flutter.
- Integrated REST APIs for data retrieval and synchronization.
- Set up Hive Database for offline data storage and implemented sync functionality.
- Used Provider for efficient state management.
- Designed and developed RESTful APIs using Spring Boot and MySQL to support mobile app features.

Kubocare | *Flask, React Native, MQTT , Kafka, PostgreSQL, Docker, Socket.IO, Redis*   [Link]
- Developed modern UI using React Native.
- Developed Flask-based backend with PostgreSQL for data handling.
- Set up and managed Kafka and Mosquitto servers using Docker on AWS EC2 for handling MQTT device communication.
- Used Socket.IO for real-time concurrent connections.
- Configured Redis for temporary data storage and caching.

Affirmity Corp   December 2023 – September 2024
Software Development Engineer Intern   *Bhopal, M.P*

Perimeter Security System | *Flutter, Provider, REST APIs, Git,Flask, openCV, YOLOv8, FaceNet, openCV*
- Developed a multi-window and multi-tab Flutter desktop application with Flask backend using custom-trained YOLOv8 for real-time face recognition and FaceNet for face detection.

Affirmity Corp (Website) | *React, Node.js, Framer Motion, GSAP, Context API ,REST APIs, Git*   [Link]
- Developed the company website with modern design, responsiveness, animations, and interactive elements.

PROJECTS

Nort | *Flutter, dart, Bloc, Layered architecture, SQLite*   [Link]
- Developed Nort, a secure offline Flutter application for notes and password storage using AES-256 GCM encryption.
- Implemented authentication system requiring user verification for all read/write operations to ensure data privacy.
- Utilized BLoC pattern for efficient state management and responsive UI that works entirely offline.

TECHNICAL SKILLS

Languages: Dart, Python, C/C++, SQL, JavaScript, HTML/CSS, TypeScript
Frameworks: Flutter, React, Node.js, Flask, Material-UI
Developer Tools: Git, Docker, VS Code, IntelliJ
Cloud & DevOps: AWS, EC2, Kafka, Docker
Libraries: YOLOv8, OpenCV, matplotlib, pandas

EDUCATION

Sagar Institute of Science and Technology   Bhopal, M.P
B.Tech in Computer Science and Engineering (CGPA: 8.38)   *Oct. 2020 – May 2024*