SANJAYA S SHETTY

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EDUCATION

- **N.M.A.M. Institute of Technology, Nitte**   2019-2023
  BE in Electrical and Electronics Engineering
  CGPA – 7.49

EXPERIENCE

Junior Software Engineer | Technomers   OCT 2023 - PRESENT
- **Enhanced App Features with Robust API Integrations**: Worked extensively with REST APIs and GraphQL to build seamless data-driven functionalities and dynamic app experiences.
- **Firebase Expertise:** Successfully integrated Firebase services, including authentication, Firebase Cloud Messaging for push notifications, and real-time database operations, ensuring secure and scalable solutions.
- **Reusable UI Development:** Designed and implemented reusable Flutter widgets and UI components, improving development efficiency and maintaining consistent design across multiple app modules.
- Integrated UPI (Unified Payments Interface) payment capabilities within the application, allowing users to perform secure and fast transactions directly from the app.
- Implemented Cubit and Bloc state management solutions to organize application logic and efficiently manage the app's state across complex features.

Intern | PLM INDISHTECH   FEB 2023 – MAY 2023
- Integral member of the cloud-based Teamcenter development team, focused on enhancing software functionality.
- Proficient in batch scripting, automating tasks to enhance productivity and workflow efficiency.

Projects

InfoFusion – Information Retrieval Application   DEC 2024 – FEB 2025
- **Full-Stack Development**: Built a cross-platform RAG application using Flutter for the frontend and FastAPI for the backend, enabling seamless information retrieval across devices
- **AI Integration**: Leveraged Gemini API and Sentence Transformers to generate contextually relevant responses based on semantic search capabilities.
- **Real-Time Communication**: Implemented WebSockets for instant query results and integrated Tavily search API to enhance knowledge retrieval capabilities.
- **Content Processing**: Designed an efficient data pipeline using Trafilatura for high-quality web content extraction, resulting in more accurate and relevant responses to user queries.

SKILLS

- Programming Languages - Dart, JavaScript, Python
- Mobile Development - Flutter, Dart
- Web Development - ReactJs, HTML, CSS
- State Management - Cubit, Bloc, React-Redux-Toolkit
- Backend - RESTful APIs, Firebase, GraphQL.
- Tools & IDE - Android Studio, Visual Studio Code, Postmen