

Gungun Bali

App and Web Developer | Aspiring ML Engineer

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Computer Science student with a strong passion for both app development and artificial intelligence. Experienced in building mobile and full-stack applications using Flutter, **React**, **Firebase**, **swift** and RESTful APIs for both **Android** as well as **iOS App Development**, alongside developing intelligent systems using Python, **TensorFlow**, **YOLOv8**, **Scikit-learn**, **PyTorch**, and **OpenCV**. Actively exploring real-world integrations of AI through computer vision, **NLP**, and automation. Committed to continuous learning and applying data-driven approaches to solve real-world problems.

EMPLOYMENT

Flutter & Dart Developer | Taxian ([Offer Letter & Certificate](#))

18th Feb 2025 – 18th May 2025

- Integrated **DocuSign** in both the **Admin Portal** and **User App**, implementing **government-approved document verification** for enhanced security and compliance which increased enrolment of about **15k+ users**.
- the development of seamless hotel booking workflows, reducing user onboarding time by **80%** through efficient integration of document verification features.
- Played a key role in ensuring successful **iOS build releases**, coordinating with cross-functional teams to guarantee **App Store compliance** and smooth deployments.
- Led UI interactivity optimizations that boosted user engagement and interaction rates by **90%**, contributing to a significant increase in **user retention** and overall app satisfaction.

App Developer Intern | VRC Grands Pvt Ltd ([Offer Letter & Certificate](#))

6th Jan 2025 – 10th Feb 2025

- Led the development of multiple **Flutter-based applications** utilizing **Firebase Authentication** and **Hive**, including a YouTube clone app with integrated **weather data services**, which streamlined the user experience
- Enhanced app security and data integrity by seamlessly integrating **Firebase Authentication** for secure login and **Hive** for local data storage, optimizing app performance.
- Collaborated closely with senior mentors to contribute to an upcoming app launch, gaining exposure to real-world development workflows and app optimization techniques.
- Successfully contributed to **cross-functional development** teams, accelerating the delivery of key project features and ensuring timely release deadlines.

EDUCATION

Dayananda Sagar College of Engineering, Bangalore

B.E (Computer Science & Business Systems) 2023-2027 : CGPA – 9.23

PROJECTS

- Traffic Control System with Crime rates specifier** ([Project Code](#)) – AI-based traffic monitoring system using **YOLOv8**, **OpenCV**, **NumPy**, and **Pandas** to detect helmet violations, ambulance presence and vehicle overspeeding in real time. It also analyzes high-risk streets using frequency of crime rates registered in the specific area of Bengaluru.
- Interactive Brain Visualization Plugin** ([Project Code](#)) - Developed a **3D brain visualization plugin** using **Napari**, **BrainGlobe APIs**, and **PyQt5** to help researchers explore labeled regions of the mouse brain. **Tools:** Napari, BrainGlobe APIs, PyQt5, Python
- IoT-based Automatic Irrigation System & Automatic Door Locking System** - Developed IoT-based systems: an **Automatic Irrigating System** and an **Automatic Door Locking System**, using **Arduino** and **RFID** technology.
- YouTube Clone with Geological Weather Service** ([Project Code](#)) - **YouTube clone** app integrated with a **geological weather service**, providing location-based weather updates alongside video content. **Tools:** Flutter, Dart, API integration
- Crypto-Lite Rewards wallet website** ([website](#)) - Developed a gamified web application where users earn tokens by playing games and redeem them for real-world benefits (Swiggy/Zomato offers, Airtel recharges) with an integrated wallet for transactions. **Tools :** Ethereum (Solidity), MetaMask, Web3, Ether.js, Firebase Auth, Node.js, and MongoDB

ACHEIVEMENTS

Winner (SDG Developers) - Aventus 3.0 A National Level Hackathon with 600+ teams.

Published and deployed app on App Store and Google Play in my previous internship. ([Link](#))

SKILLS

Languages & Frameworks - **Dart**, **Python**, Java , Flutter, Swift , Type Script, Javascript, Flask , Express.

Databases - SQL, mongo DB.

Architectures & State Management Patterns - BLoC, MVC, MVVM, Riverpod, UDF (Unidirectional Data Flow)

App Development - Flutter, Swift, React Native, Firebase Authentication, Ethereum , MetaMask

AI/ML Libraries & Tools - PyTorch, TensorFlow, Scikit-learn, YOLOv8, OpenCV, Hugging Face, MediaPipe, Matplotlib, NumPy, MLflow, Ether, web3.

Other Skills – Web Scraping (Selenium, BeautifulSoup), UI/UX Optimization, Image Processing, Speech Recognition, JSON data handling

Platforms & Tools – Pycharm, Postman, Android Studio, Xcode, Figma, Firebase, IntelliJ Idea, Git & GitHub, App Store & Google Play