#107/A Panchlaish
Chattogram 4203, Bangladesh
Github | LinkedIn | Play Store

PRANTA DUTTA
Mobile Dev • Full-stack • DevOps

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PORTFOLIO | Dev.to

SUMMARY

Passionate software engineer with **3+ years of experience** crafting high-quality mobile apps using **Flutter** and **React Native**. I specialize in full-stack development and **DevOps**, with a growing focus on integrating **generative AI** and **LLMs** into both the development process and end-user features. From AI-assisted code generation to building smart, data-driven features, I'm constantly experimenting with ways to ship smarter, faster, and better. I build performant, scalable systems with a strong emphasis on **automation**, reliability, and **clean architecture**.

EMPLOYMENT

Jr. Software Developer	**KDS Group**	**JUN' 22 - PRESENT**

As a **full-stack** mobile and infrastructure engineer at KDS Group, I led the development of multiple mission-critical applications and internal tools, optimizing operations across HR, manufacturing, compliance, and donation systems. My role spanned **mobile app development**, backend integration, **real-time systems**, DevOps, and infrastructure automation.

KDS Portal
- KDS Portal: Built a secure and responsive employee self-service app with **Flutter**, fully integrated with the internal **HRMS/ERP**. Enabled access to salary, attendance, leave, and loans — boosting HR process efficiency by **40%**.

KDS Zakat
- Developed a real-time **NFC-based** system in Flutter for tracking and verifying Zakat distribution in multiple devices. Added fraud prevention, offline sync, and live stats reducing misuse by **99.99%** and increasing transparency.

KDS QMS
- Created a React Native app to digitize quality control processes on the production floor. Combined with a dynamic Angular dashboard, this solution improved QC monitoring speed by **60%** and reduced reporting delays by **80%**.

KDS TLS
- Orchestrated a **React Native performance tracking tool** for garment workers with live data from infancy to production with flutter. Helped garments managers track efficiency metrics in real time, leading to a **90%** improvement in monitoring.

KDS Ubuntu Server
- Set up and maintained a robust infrastructure stack with **GitLab, Docker, Gitlab CI/CD, Prometheus, and Grafana**. Boosted system reliability by **80%** through automated deployments, monitoring, availability & scheduled backups.

Microservices & APIs
- Developed multiple internal services using **Go (Fiber) and ASP.NET Core**, including a file retrieval service and a **CDN**-style storage microservice for secure uploads/downloads.

Front-end Engineer (Contract)	**Trigan**	**FEB' 22 - JUN' 22**

- Independently developed the **primary Next.js-based website** for Trigan.org, improving performance and usability.

Software Engineer, Intern	**ZorgIT Group**	**DEC' 21 – FEB' 22**

- **Designed and developed a high-engagement portfolio website for Arcon Interior, increasing brand visibility.**

EDUCATION

Chattogram	**Premier University**	**Fall 2016 – June 2021**

- B.Sc. in Computer Science Engineering, **June 2021**. **GPA: 3.21.**
- **Final Year Project:** Designed and built a web-based loan platform enabling secure, direct lending between borrowers and lenders without needing traditional banks with **Laravel** in backend and **Next.js** in frontend.

Projects

- **Quotely:** A **Flutter** quote management app with **customizable UI, notifications, and daily quotes.** [Github](#) | [Play](#)
- **AI Persona:** A sophisticated Flutter app for creating and chatting with AI-powered characters, Firebase auth, modern UI, and seamless theme support with high-refresh-rate optimization. [AI Persona](#)
- **Plot Twist:** Your personal cinema diary. Discover, rate, and curate your movie and TV watchlist with a clean, delightful **UX**. [Github](#)
- **Hermes Harbor:** A luxury **e-commerce** fashion app prototype built in **Flutter** with smooth **animations**, **Riverpod** state management, and a full shopping flow from product to checkout. [Github](#)
- **Vibe Journal:** An **AI-powered** voice journaling app that converts audio logs into mood insights. Speak your mind, and it handles the rest. [Github](#)
- **Talk2Me:** A **real-time** Flutter **chat app** using **Firebase** for one-on-one and group conversations, with typing indicators, presence, and more. [Github](#)
- **Pulse:** A network diagnostics tool built with **Flutter**. Supports ping, network scanning, and gathering **real-time** connection statistics. [Github](#)
- **FilmMate:** Flutter app for movie discovery, featuring **real-time search, reviews, and cast details**. [Github](#)
- **FileFly:** A fast, Rust-based **CLI tool** for file management with **logging & performance optimizations**. [Github](#)

- **Explore More Projects** – Explore more at https://pranta.dev/projects

- Integrated **Generative AI (OpenAI and Gemeni API)** into apps like AI Persona and Vibe Journal to build smart conversational features and insight generation tools.
- Published multiple production-ready Flutter apps on the **Google Play Store**, showcasing real-world impact and polished user experiences.
- Hands-on experience deploying production workloads to **Google Cloud**, including Firebase integration, storage, and API services.
- Built multiple automation tools and internal **DevOps** systems, improving developer workflows.
- Designed IoT-based fire detection & quality tracking systems for real-time monitoring.
- Built and deployed a Size Detection System using **Arduino**, **Raspberry Pi**, and barcode scanners, integrated with a Flutter-based mobile app for real-time data tracking and validation.

Languages and Technologies

- **Languages:** JavaScript, TypeScript, Dart, Go, C#, Rust, SQL, Python.
- **Frameworks:** Flutter, React Native, Next.js, Flutter Node.js, ASP.NET Core
- **DevOps & Tools:** Docker, CI/CD, Bash, Prometheus, Grafana, GitLab
- **Cloud & Backend**: Firebase (Auth, Firestore, FCM, Storage, Vertex, Functions), REST APIs, SignalR, PostgreSQL.
- **AI & Automation:** OpenAI, Gemini, DeepSeek, Claude, AI-assisted prototyping, LLM integrations, prompt engineering, Text to Speech, Speech to Text.
- **Hardware & IoT:** Arduino, Raspberry Pi, ESP8266, Barcode Scanners, NFC Readers.