Kamal Preet Singh

kpsbathla16624 | Kpsbathla | kpsbathla.info | kamalpreet6198@gmail.com

WORK EXPERIENCE

Software Engineering Intern (Flutter) - Medoc Health IT PVT LTD Jul 2024 - Present

– **Developed and deployed 20+ healthcare management modules** (OPD, IPD, surgery, radiology, blood bank, finance, HRMS, inventory, pharmacy) in a **Flutter-based web app**, now operational in **10+ hospitals serving 50K+ patients annually**.

– Built complex custom solutions including a **form builder**, **DICOM file viewer**, **HRMS**, **Inventory Management**, and a **payment gateway package**, enabling **hundreds of daily clinical and financial transactions**.

PROJECTS

Aero UI - Flutter Component Library — *Flutter, Dart, Pub.dev* AeroUI.live

- Developing an **open-source Flutter UI component library** with **20+ customizable widgets**, including buttons, cards, forms, and navigation components for **rapid mobile app development**.
- Building **reusable, themeable components** following **Material Design principles** with comprehensive documentation.
- Published on Flutter Pub.dev (pub.dev/packages/aero_ui) and open-sourced it.

DSA/CP Dashboard — *React.js, MongoDB, Node.js, Chart.js* dsa.kpsbathla.info

- Built a **competitive programming analytics dashboard** integrating **RESTful APIs from 3 platforms** (Codeforces, Leet-Code, CodeChef) to display user performance across **multiple DSA categories**, utilized by **50+ competitive programmers**.
- Created **interactive data visualizations** using **Chart.js** for tracking submission patterns, rating trends, and topic-wise problem distribution with **real-time data fetching**.

Real Estate Marketplace - Client MVP(Freelance) — *Flutter, Node.js, MongoDB, Express.js* *Freelance*

- Built **MVP platform** connecting brokers, builders, and property buyers with **role-based access control**, property listings, and **in-app communication features** for startup client seeking **investor funding**.
- Delivered functional prototype with **responsive UI** and **RESTful APIs** within defined timeline, enabling client to successfully **pitch product to investors**.

DICOM Medical Imaging Viewer — *Flutter, Dart, Web* dicomfileviewer.vercel.app

- Developed a **web-based radiology image viewer** using **Flutter** to **parse and render DICOM files** in browser, supporting **MRI, CT, and X-ray scans** with **real-time image manipulation controls**.
- Implemented **windowing presets** (Bone, Soft, Lung), brightness/contrast adjustments, and **DICOM metadata extraction** for healthcare workflows.

EDUCATION

Chandigarh University Mohali, Punjab
Bachelor of Engineering (Computer Science and Engineering) *Aug. 2022 – present*

Delhi Public School, Rudrapur Uttarakhand
Class 12th - CBSE *2021 – 2022*

Delhi Public School, Rudrapur Uttarakhand
Class 10th - CBSE *2019 – 2020*

TECHNICAL SKILLS

Languages:	Dart, JavaScript,TypeScript, C/C++, Python, Java, SQL, HTML/CSS
Frameworks:	React, Node.js, Flutter, React Native
Developer Tools:	Git/GitHub, Google Cloud Platform, VS Code, Postman API, RESTful APIs, Firebase Firestore, Firebase Authentication, Firebase Cloud Storage
Libraries:	Tailwind CSS, Flutter Bloc, Vite, Redux, Axios

ACHIEVEMENTS

– Solved **600+ problems** across competitive programming platforms including LeetCode, CodeChef, and Codeforces

– Made **1400+ contributions on GitHub** demonstrating consistent development activity and open-source collaboration

– Completed **2 freelance projects** delivering full-stack solutions for clients including MVP development and custom application

– Published and maintained **two open-source packages**: Aero UI (pub.dev/packages/aero_ui) - Flutter UI component library, and Express Quick CRUD (npmjs.com/package/express-quick-crud) - Node.js CRUD automation with pagination , searching , sorting and many more features.