KESHAV PAL

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Summary

CS student who has built and deployed secure mobile and web applications and data analysis systems used by 1k+ users. Experienced in frontend development, backend APIs, and analytics using Python and SQL.

Projects

ArsdSaathi | React Native, Python (FastAPI), Selenium
(github.com/KshavCode/arsd-saathi)

- Developed an offline-first mobile app using AsyncStorage to eliminate redundant portal visits.
- Architected a decoupled system with React Native and Python (FastAPI).
- Established security parameters such as Rate Limiting and API-key authentication.
- Published to allow access to 2k+ students by saving their time and effort.

Therapease | React Native, AI Integration, Database Design
(github.com/KshavCode/therapease-app)

- Building a React Native-based app for camera-assisted physiotherapy sessions and reporting.
- Designed database schema and implemented PDF-based session reports for doctors.
- Developed a working prototype with core features and responsive UI.

Data Analysis Case Studies with Report
(github.com/KshavCode/data-analysis-case-studies)

- Analyzed multiple real-world datasets from government portals and Kaggle using Python.
- Performed data cleaning, preprocessing, and data analysis on 50k+ records.
- Built interactive dashboards using Streamlit and summarized insights through structured PPTs.

Skills

- Python, JavaScript, HTML/CSS, Git, Bash, FastAPI, Tkinter, React Native
- Pandas, NumPy, Matplotlib, Seaborn, Streamlit
- SQL (MySQL, PostgreSQL, SQLite)
- Excel, Power BI
- VS Code, GitHub

Education

Atma Ram Sanatana Dharma College, Delhi University   **2023 - Present**
BSc (Hons.) Computer Science

Certifications

- **CS50's Introduction to Computer Science —** Harvard University
- **CS50's Introduction to Programming with Python —** Harvard University
- **Relational Databases** — freeCodeCamp
- **Microsoft Excel Data Analysis (Basic to Advanced) —** Udemy

github.com/KshavCode