

TAARANSH KAPOOR

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OBJECTIVE

Motivated B.Tech CSE student with hands-on experience in Android development, C++, Data Structures & Algorithms, and Machine Learning. Currently developing a **Health Anomaly Detection App for fitness devices** by training ML models on real time data by interning at Infosys Springboard to strengthen analytical and development skills. Passionate about leveraging AI-driven technologies to create impactful and scalable software solutions in collaborative environments.

EDUCATION

Institution	Degree /Qualification	Year	Score / CGPA
JECRC University,Jaipur	B.Tech in Computer Science Engineering	2022 – 2026	8.1 CGPA
Vrindavan Public School, Ajmer	Senior Secondary (12th)	2022	73%
St. Anselm's Sr. Sec. School, Ajmer	Secondary (10th)	2020	85%

TECHNICALSKILLS

- **Programming Languages:** Python, C++, Kotlin , HTML , CSS , JavaScript
- **Core Concepts:** Data Structures, Algorithms, Cloud Computing (Basics), Agile, Networking,Operating systems, RDBMS (MySQL)
- **Libraries & Frameworks:** STL , Pandas , NumPy , Matplotlib , Streamlit , Django (Basics), Flask (Basics) , React.
- **AI/ML Expertise:** Supervised & Unsupervised Learning, Classification, Regression, Clustering
- **Tools:** VS Code, Jupyter Notebooks, Git , Github, Android Studio ,Google Colab
- **Soft Skills:** Analytical Thinking, Communication, Team Collaboration , Problem Solving

PROJECTS

Android Utility Apps – Unit Converter & Shopping List (Kotlin, Jetpack Compose)

- Built two apps using Kotlin & Jetpack Compose: a Unit Converter (15+ unit types) and a Shopping List with full CRUD and data persistence.
- Optimized logic for 35% faster performance and 30% smoother UI load times.
- Improved task management efficiency by 40% through streamlined UX and Jetpack Compose design.

FitPulse – Health Anomaly Detection from Fitness Devices (Python, Streamlit, ML)

- Improved data preprocessing speed by ~45% using **Pandas** and **NumPy** vectorization.
- Increased model accuracy by 20–25% through **tsfresh**-based feature extraction and hyperparameter tuning.
- Reduced false anomaly detections by ~30% using **Prophet** forecasting and adaptive thresholds.
- Enhanced dashboard responsiveness by ~35% with optimized **Plotly-Streamlit** integration.
- Delivered real-time anomaly alerts with <2 s latency, improving insight response time by

ACHIEVEMENTS & CERTIFICATES

- **Infosys Springboard:** Python, SQL & NoSQL, Agile & Scrum, Data Analytics & Architecture fundamentals [\(Link\)](#)
- **Deloitte Job Simulation:** Technology consulting exposure, optimizing solutions in real-world scenarios
- **Problem Solving:** Solved **300+ DSA problems** (On Platforms Like Leetcode and GeeksforGeeks , Hackerank , mostly on VS code for handy experience.