Amit Singh

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ABOUT

Aspiring software developer and B.Tech CSE student with skills in Java-based DSA, Android app development, and foundational web technologies. Built impactful projects like a smart AI-powered video player and customer churn prediction system. Passionate about learning, problem-solving, and building efficient, user-focused solutions.

TECHNICAL SKILLS

Programming Languages: java , C , Python , SQL, R , HTML , CSS , JavaScript

Technologies & Tools: Git, GitHub, MongoDB, MySQL, Matplotlib , NumPy, Pandas, XML , Android Studio

SOFT SKILLS

Teamwork, Problem-Solving, Communication, Time Management, Adaptability

PROJECT WORK

- **AI-Based Smart Video Player App (2024):**
  - Developed an Android video player application that integrates biometric authentication and intelligent pause/play control using eye detection.
  - Integrated camera-based attention detection to automatically pause videos when the user is not looking at the screen.
  - Implemented fingerprint-based biometric login for enhanced device-level security.
  - Designed a user-friendly interface using XML and handled backend logic in Java.
  - Technologies: Java, Android Studio, XML
- **Customer Churn Prediction (2023):**
  - Built a predictive model to identify potential customer churn using XGBoost.
  - Analyzed customer behavior and transaction history to derive actionable insights.
  - Improved model accuracy through data preprocessing and feature selection techniques.
  - Technologies: Python, XGBoost, Scikit-learn, Pandas, Matplotlib.

EDUCATION

SRM University   Aug 2022 – Jun 2026
B.Tech in Computer Science and Engineering   *CGPA: 7.95/10*

Relevant Coursework: Machine Learning, Data Structures and Algorithms, Databases, Operating Systems, Computer Networks, Artificial Intelligence, Data Analytics

LANGUAGES SPOKEN

English (Fluent), Hindi (Fluent), German (Basic)

AWARDS AND CERTIFICATES

- Certificate in Machine Learning using R by IBM
- Secured 3rd place in college-level documentary-making competition