

# Sanskriti Agarwal

Phone: +91 9369852586 | Email: [sanskritiagarwal1703@gmail.com](mailto:sanskritiagarwal1703@gmail.com)

[LinkedIn](#) [Github](#)

## EDUCATION

**VIT Bhopal University** (CGPA: **9.27/10**)  
B.Tech in Computer Science & Engineering

Bhopal, Madhya Pradesh  
Expected: May 2026

**12<sup>th</sup> Standard, CBSE** (Cumulative Percentage: **90%**)  
Sanskar Public School

Jhansi, Uttar Pradesh  
April 2022

**10<sup>th</sup> Standard, CBSE** (Cumulative Percentage: **97.8%**)  
Sun International School

Jhansi, Uttar Pradesh  
March 2020

## SKILLS

- **Technical Skills:** C++, Python, MySQL, HTML, CSS, Java
- **Libraries(ML):** Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Development Tools & Platforms:** VS Code, PyCharm, GitHub, Android Studio, Jupyter Notebook, Google Colab, Eclipse, Power BI
- **Soft Skills:** Problem Solving, Team Work, Time Management, Leadership, Communication
- **Other :** Data Structures and Algorithms, Object Oriented Programming, UI/UX Principles

## INTERNSHIP

**Software developer** | Siddhast intellectual property innovation, Delhi

**Dec 2024 – Feb 2025**

- Debugged and identified errors in software systems, ensuring optimal performance and stability.
- Developed a Payroll Management System for Android using Java in Android Studio, providing secure user authentication (login/signup) with Google Firebase.
- Implemented core functionalities including employee management (add/view), payslip generation, and transaction tracking.

## PROJECTS

**Khabar** (Android Application using Android Studio)

**Jan 2025 – March 2025**

- Developed a dynamic Android news feed application featuring a tabbed interface for diverse categories (Home, World, Science, Sport, Business, Culture).
- Integrated **The Guardian API** for real-time article fetching, utilizing **AsyncTaskLoader** for efficient, asynchronous data loading and robust error handling.
- Implemented **user personalization** via a settings screen, allowing customization of article count, sorting, date range, and theme preferences, saved locally with SharedPreferences.
- Designed a fluid UI with **Navigation Drawer, ViewPager, TabLayout, and RecyclerView** (with custom EmptyView and ViewHolder pattern) for intuitive Browse and optimized performance.
- Utilized **Glide** for efficient image loading/caching and focused on clean, modular code adhering to Android best practices for maintainability.

**Cardiovascular Disease Prediction** (Machine learning Model)

**Jul 2023 - Aug 2023**

- Developed a Cardiovascular Disease Prediction model to identify at-risk individuals, leveraging machine learning techniques for early detection and improved patient outcomes.
- Performed data preprocessing and feature engineering to prepare complex medical datasets for model training.
- Implemented and evaluated multiple classification algorithms, including Naive Bayes, Logistic Regression, SVM, K-Nearest Neighbours (KNN), and Random Forest, to validate predictive capabilities and reliability.
- Assessed model performance using various metrics such as Precision, Recall, F1-score, and Confusion Matrix analysis to ensure reliability and generalizability.
- Utilized Gaussian Kernel techniques for improved model generalization and applied Grid Search for hyperparameter tuning, increasing model accuracy 21%.

## CERTIFICATIONS

- [MySQL 8.0 Database Developer Oracle Certified Professional](#) [June 2025]
- [Cloud Computing Course- SWAYUM NPTEL](#) [Jan-Apr 2024]

## ACHIEVEMENTS

- 5 stars in C++ and 5 stars in Python on HackerRank
- Completed 200 questions on LeetCode

## EXTRACURRICULAR ACTIVITIES

- Core Member(AI Club, VIT Bhopal)- Led event execution, designed engaging content boosting visibility by 15%, and enhanced audience engagement through voiceovers and podcast editing.
- Part of the AIESEC foreign exchange program
- Actively engaged in MUN conferences, earning recommendations.
- Zonal Level Swimming Champion