

Sanskriti Agarwal

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

EDUCATION

VIT Bhopal University (CGPA: **9.26/10**)

B.Tech in Computer Science & Engineering

Bhopal, Madhya Pradesh

Expected: May 2026

12th Standard, CBSE (Cumulative Percentage: **90%**)

Sanskar Public School

Jhansi, Uttar Pradesh

April 2022

10th 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